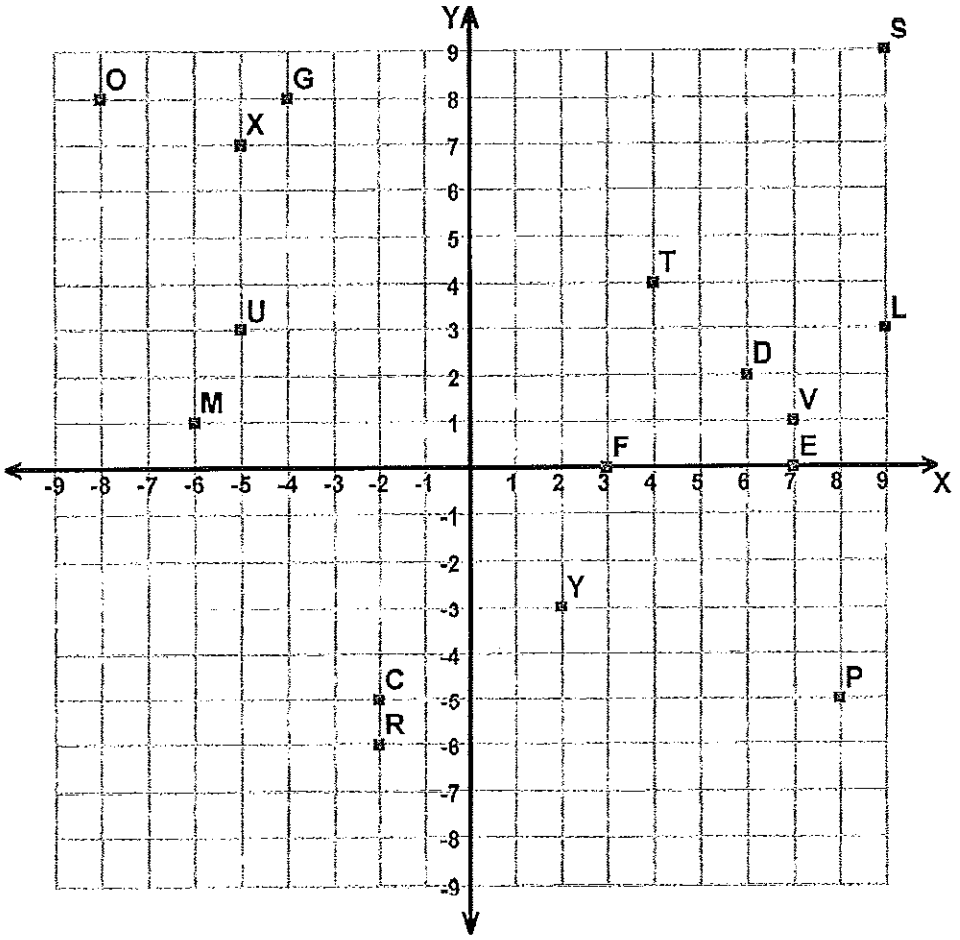
1

Name : _____ Score : _____

Teacher : _____ Date : _____

Four Quadrant Ordered Pairs



Tell what point is located at each ordered pair.

1) (+4,+4) _____ 3) (-8,+8) _____ 5) (+9,+9) _____ 7) (-6,+1) _____

2) (-2,-5) _____ 4) (+7,+1) _____ 6) (+8,-5) _____ 8) (+9,+3) _____

Write the ordered pair for each given point.

9) E _____ 11) X _____ 13) U _____ 15) F _____

10) G _____ 12) R _____ 14) Y _____ 16) D _____

Plot the following points on the coordinate grid.

17) Q (+5,-3) 19) K (+2,-1) 21) Z (+0,+1) 23) H (-3,+0)

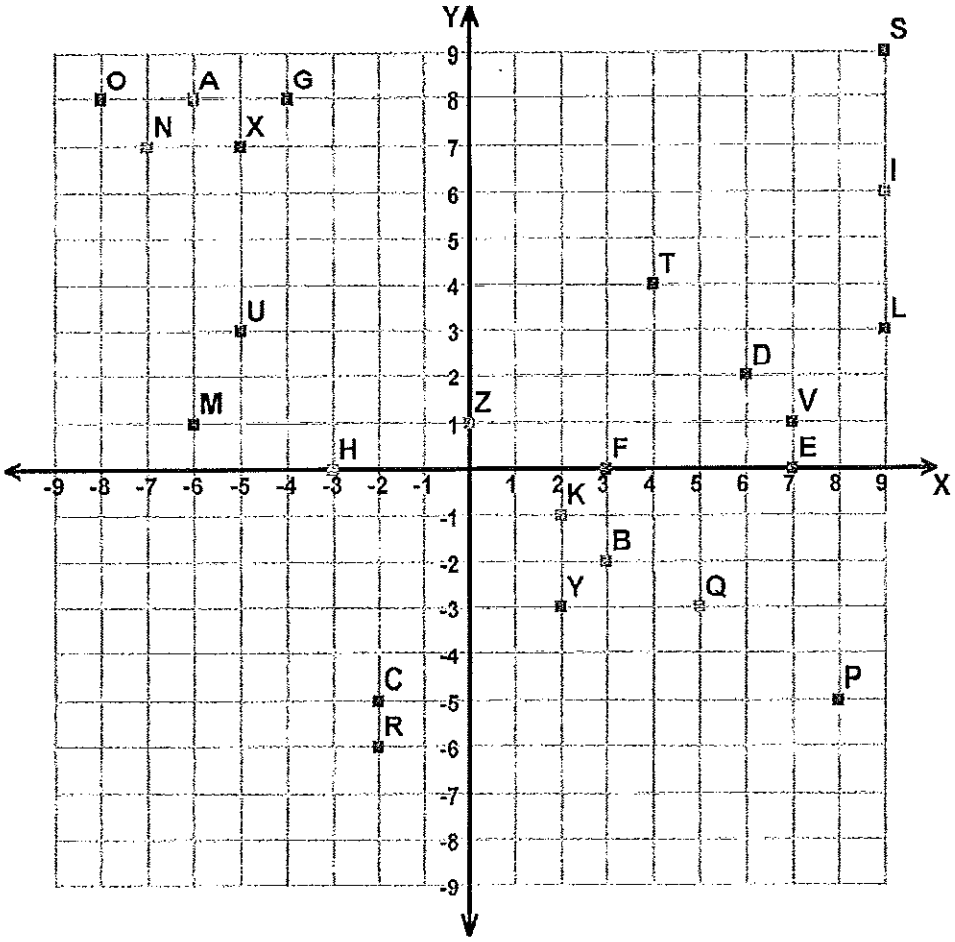
18) A (-6,+8) 20) N (-7,+7) 22) I (+9,+6) 24) B (+3,-2)

(1)

Name : _____ Score : _____

Teacher : _____ Date : _____

Four Quadrant Ordered Pairs



Tell what point is located at each ordered pair.

1) (+4,+4) T
2) (-2,-5) C
3) (-8,+8) O
4) (+7,+1) V
5) (+9,+9) S
6) (+8,-5) P
7) (-6,+1) M
8) (+9,+3) L

Write the ordered pair for each given point.

9) E (+7,+0)
10) G (-4,+8)
11) X (-5,+7)
12) R (-2,-6)
13) U (-5,+3)
14) Y (+2,-3)
15) F (+3,+0)
16) D (+6,+2)

Plot the following points on the coordinate grid.

17) Q (+5,-3)
18) A (-6,+8)
19) K (+2,-1)
20) N (-7,+7)
21) Z (+0,+1)
22) I (+9,+6)
23) H (-3,+0)
24) B (+3,-2)

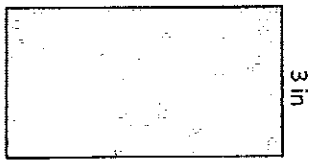
(2)

Name: _____ Score: _____

Area and Perimeter of Rectangles

Find the area and perimeter of each rectangle.

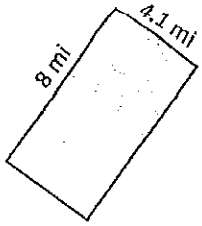
1)



Area = _____

Perimeter = _____

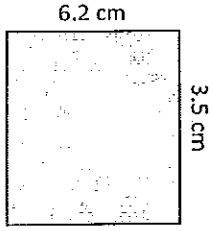
2)



Area = _____

Perimeter = _____

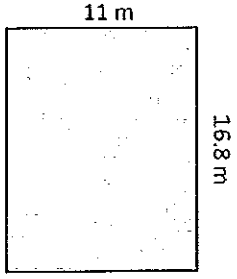
3)



Area = _____

Perimeter = _____

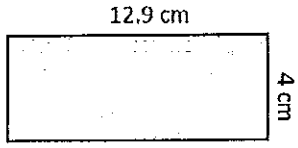
4)



Area = _____

Perimeter = _____

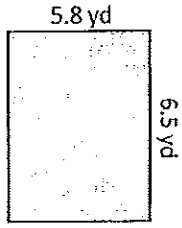
5)



Area = _____

Perimeter = _____

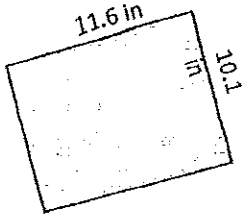
6)



Area = _____

Perimeter = _____

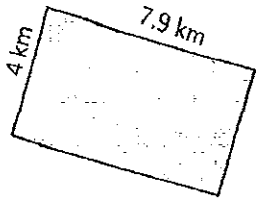
7)



Area = _____

Perimeter = _____

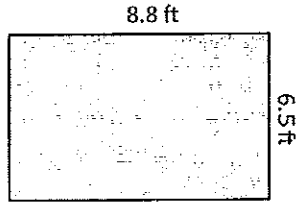
8)



Area = _____

Perimeter = _____

9)



Area = _____

Perimeter = _____

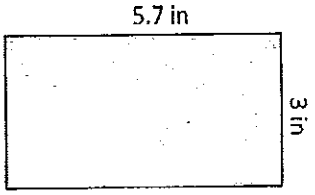
(2)

Name: _____ Score: _____

Answer Key

Find the area and perimeter of each rectangle.

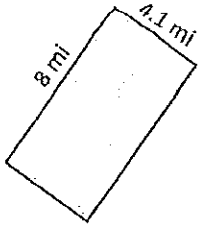
1)



Area = **17.1 in²**

Perimeter = **17.4 in**

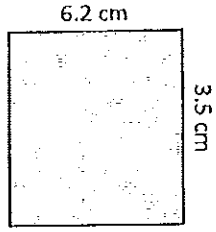
2)



Area = **32.8 mi²**

Perimeter = **24.2 mi**

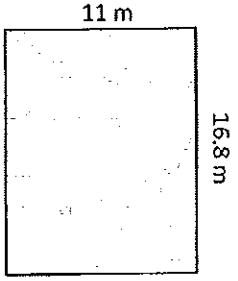
3)



Area = **21.7 cm²**

Perimeter = **19.4 cm**

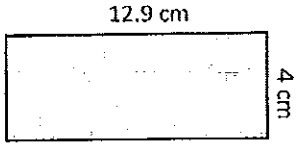
4)



Area = **184.8 m²**

Perimeter = **55.6 m**

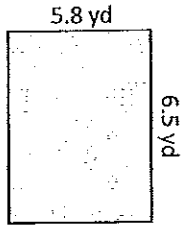
5)



Area = **51.6 cm²**

Perimeter = **33.8 cm**

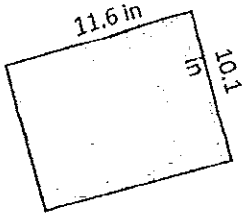
6)



Area = **37.7 yd²**

Perimeter = **24.6 yd**

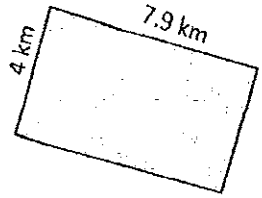
7)



Area = **117.16 in²**

Perimeter = **43.4 in**

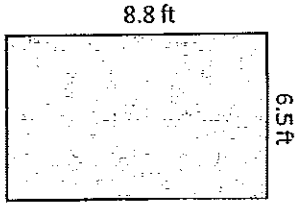
8)



Area = **31.6 km²**

Perimeter = **23.8 km**

9)



Area = **57.2 ft²**

Perimeter = **30.6 ft**

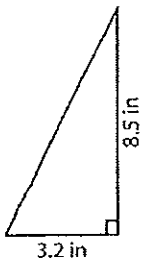
3

Name : _____ Score : _____

Triangle - Area

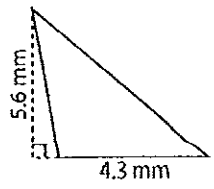
Find the area of each triangle.

1)



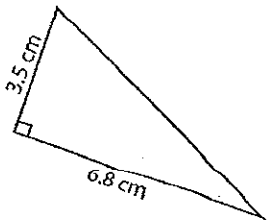
Area = ____

2)



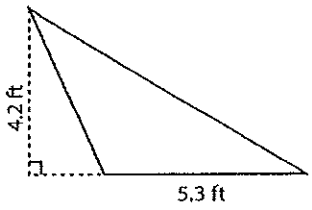
Area = ____

3)



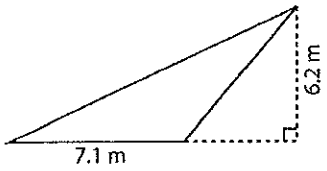
Area = ____

4)



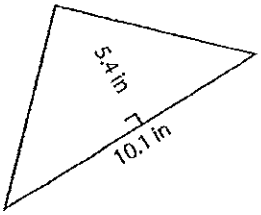
Area = ____

5)



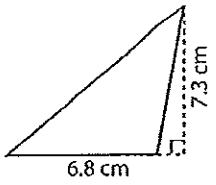
Area = ____

6)



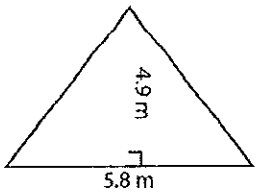
Area = ____

7)



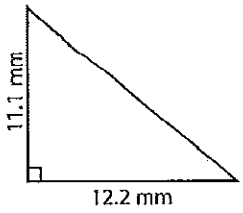
Area = ____

8)



Area = ____

9)



Area = ____

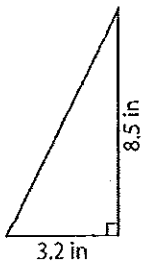
3

Name : _____ Score : _____

Answer key

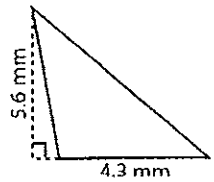
Find the area of each triangle.

1)



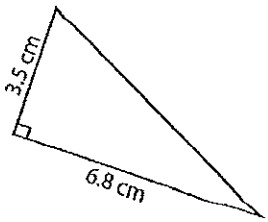
Area = **13.6 in²**

2)



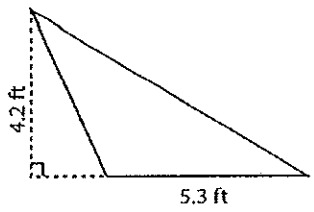
Area = **12.04 mm²**

3)



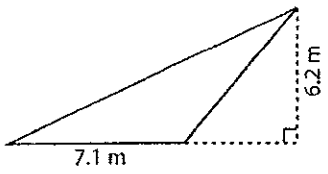
Area = **11.9 cm²**

4)



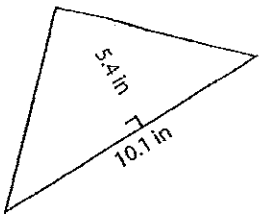
Area = **11.13 ft²**

5)



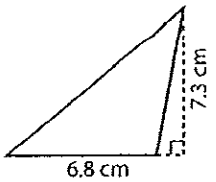
Area = **22.01 m²**

6)



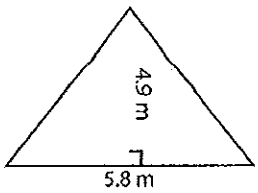
Area = **27.27 in²**

7)



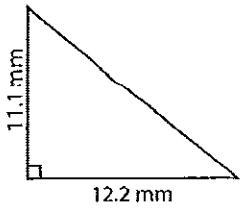
Area = **24.82 cm²**

8)



Area = **14.21 m²**

9)



Area = **67.71 mm²**

(4)

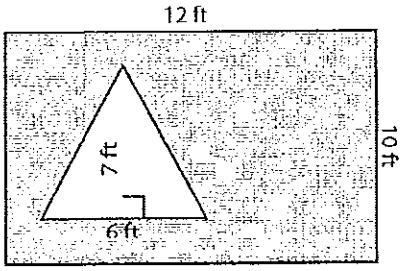
#3 & #5 not on test

Name : _____ Score : _____

Area - Compound Shapes

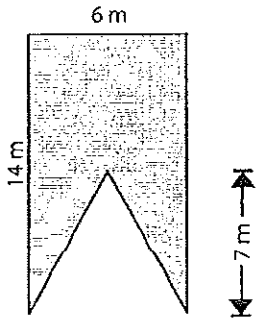
Find the area of shaded region. Round the answer to 2 decimal places if necessary.

1)



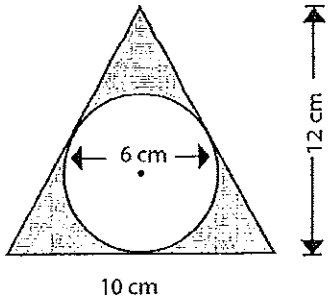
Area = _____

2)



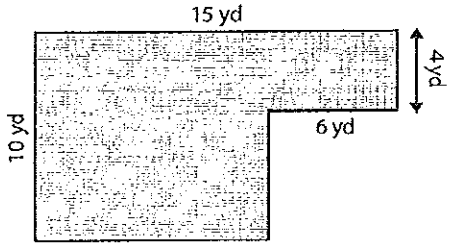
Area = _____

3)



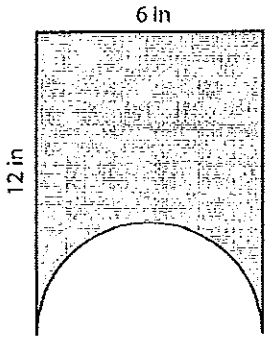
Area = _____

4)



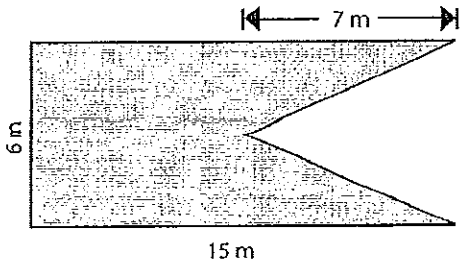
Area = _____

5)



Area = _____

6)



Area = _____

(4)

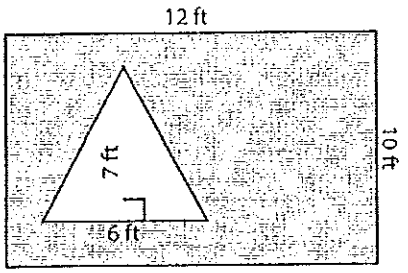
Name : #3 & #5 not on test

Score : _____

Answer Key

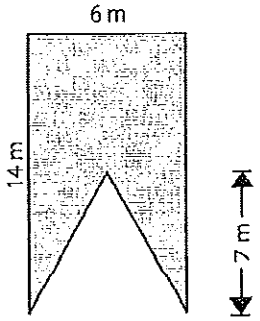
Find the area of shaded region. Round the answer to 2 decimal places if necessary.

1)



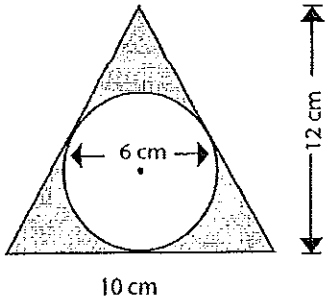
Area = 99 ft²

2)



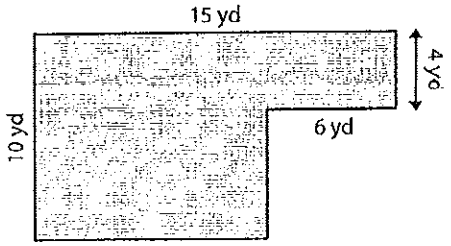
Area = 63 m²

3)



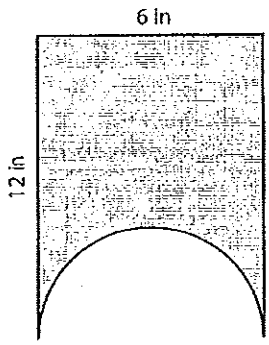
Area = 31.74 cm²

4)



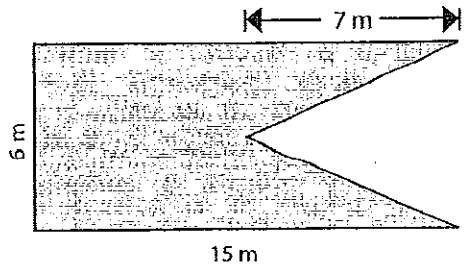
Area = 114 yd²

5)



Area = 57.87 in²

6)



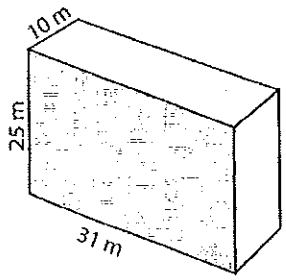
Area = 69 m²

5

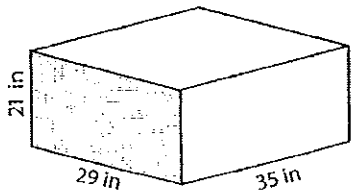
Name : _____ Score : _____

Surface Area - Rectangular Prism

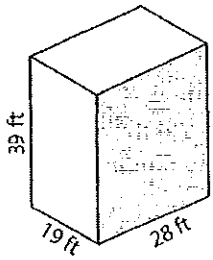
Find the surface area of each rectangular prism.

1) 

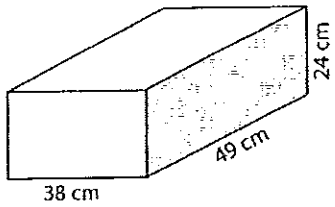
Surface Area = _____

2) 

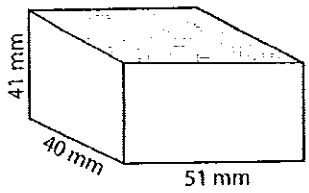
Surface Area = _____

3) 

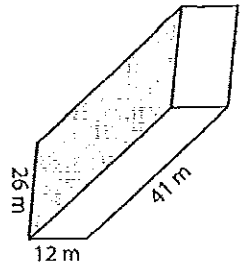
Surface Area = _____

4) 

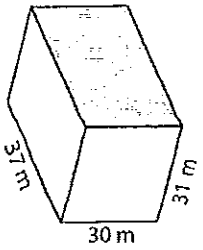
Surface Area = _____

5) 

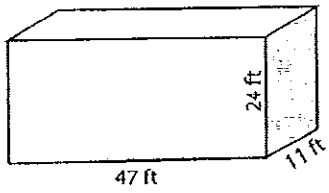
Surface Area = _____

6) 

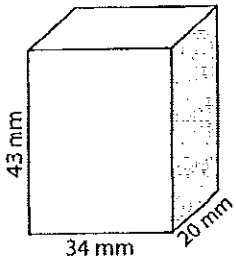
Surface Area = _____

7) 

Surface Area = _____

8) 

Surface Area = _____

9) 

Surface Area = _____

10) Edward Box Makers produces carton boxes each has a length of 40 centimeters, a width of 25 centimeters and a height of 19 centimeters. Find the minimum area of paper required to wrap each box.

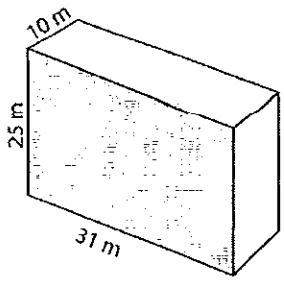
Surface Area = _____

(5)

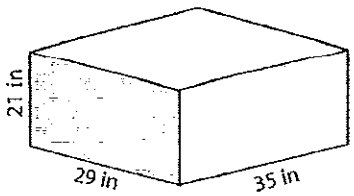
Name : _____ Score : _____

Answer Key

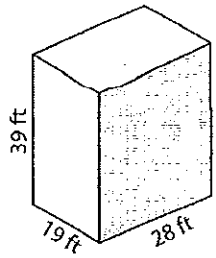
Find the surface area of each rectangular prism.

1) 

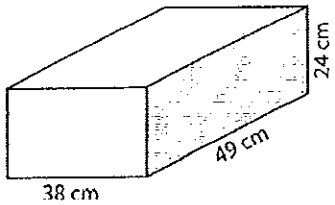
Surface Area = **2670 m²**

2) 

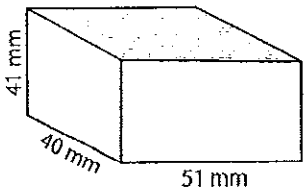
Surface Area = **4718 in²**

3) 

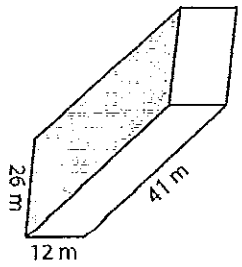
Surface Area = **4730 ft²**

4) 

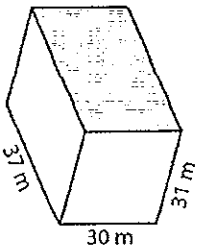
Surface Area = **7900 cm²**

5) 

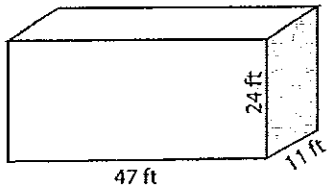
Surface Area = **11542 mm²**

6) 

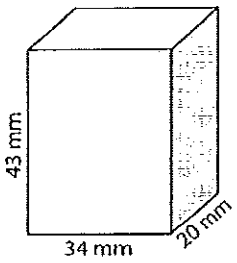
Surface Area = **3740 m²**

7) 

Surface Area = **6374 m²**

8) 

Surface Area = **3818 ft²**

9) 

Surface Area = **6004 mm²**

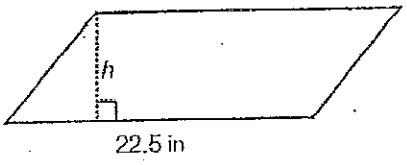
10) Edward Box Makers produces carton boxes each has a length of 40 centimeters, a width of 25 centimeters and a height of 19 centimeters. Find the minimum area of paper required to wrap each box.

Surface Area = **4470 cm²**

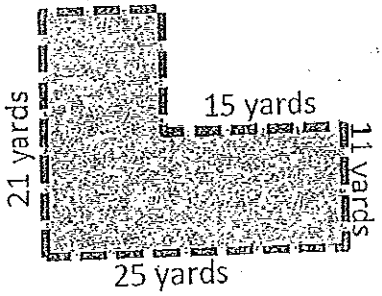
(6)

1. The area of the parallelogram is $112.5\ \text{in}^2$. Find the height of the parallelogram.

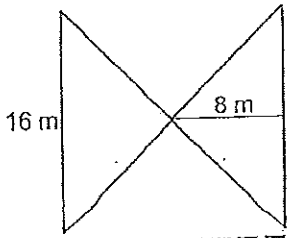
$A = bh$



2. Tom is buying a cover for his pool. The company asked him to send the dimensions of the pool and the total area that needs to be covered. What area will Tom send to the company?



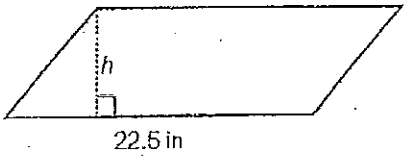
3. Both triangles are exactly the same size and shape. Find the area of the entire figure.



(6)

1. The area of the parallelogram is $112.5\ \text{in}^2$. Find the height of the parallelogram.

$A = bh$



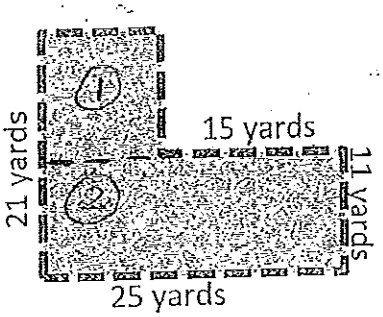
$A = bh$

$112.5 = 22.5 \cdot h$

$\frac{112.5}{22.5} = h$

$5\text{in} = h$

2. Tom is buying a cover for his pool. The company asked him to send the dimensions of the pool and the total area that needs to be covered. What area will Tom send to the company?



Square
1. rectangle ok

$A = l \cdot w$

$10 \cdot 10$

$A = 100\ \text{yds}^2$

2. rectangle

$A = bh$

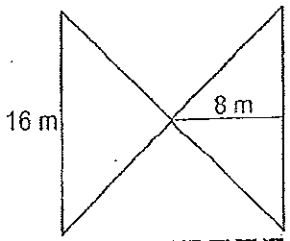
$25 \cdot 11$

$A = 275\ \text{yd}^2$

Then add them:

$100 + 275 = 375\ \text{yd}^2$

3. Both triangles are exactly the same size and shape. Find the area of the entire figure.



$A = bh$

$16 \cdot 8$

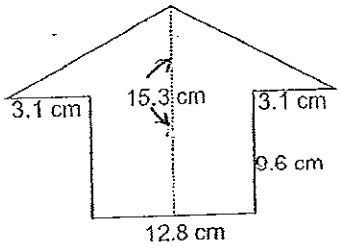
$A = 128\ \text{m}^2$

Two congruent triangles = 1 full rectangle

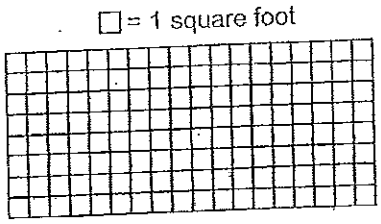
7.

1. This is tricky - plan carefully!

Find the area of the entire figure.

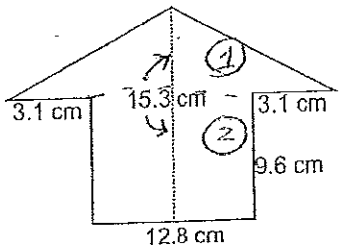


2. Jay is putting down tile in the hallway. The tiles cost $1.25 per square foot. Find the area of the hallway. Then, determine the cost of the tiles needed to complete the project.

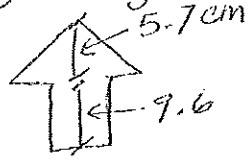


7.

1. Find the area of the entire figure.



1. Triangle



$A = \frac{bh}{2}$

$\frac{19 \cdot 5.7}{2}$

base:
3.1
12.8
3.1
19.0

$A = 54.15\ cm^2$

2. rectangle:

$A = bh$

$12.8 \cdot 9.6$

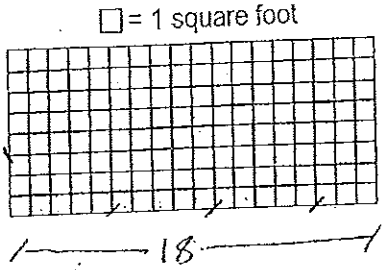
$A = 122.88\ cm^2$

Add them together:

54.15
122.88

177.03 cm^2

2. Jay is putting down tile in the hallway. The tiles cost $1.25 per square foot. Find the area of the hallway. Then, determine the cost of the tiles needed to complete the project.



$A = bh$

$18 \cdot 8$

$A = 144\ ft^2$

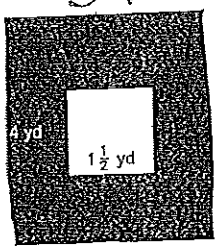
144
× 1.25
720
2880
14400
$180.00

$180.00

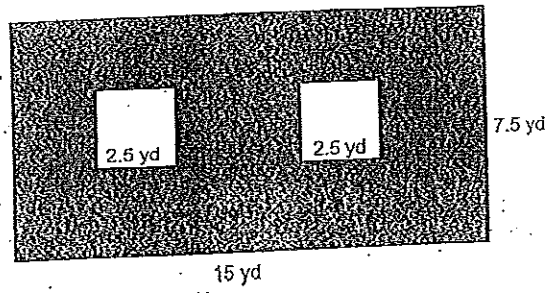
(8)

(1.) Find the area of the shaded portion.

$3\frac{1}{4}$

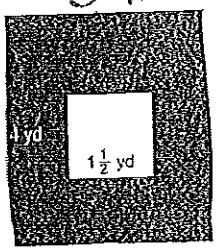


(2.) Find the area of the shaded portion.



(8)

(1.) Find the area of the shaded portion.



First, let's find (A) of the whole:

$A = bh$

$3\frac{1}{4} \cdot 4$

$\frac{13}{4_1} \cdot \frac{4^1}{1} = \frac{13}{1} = 13 yd^2$

Then, (A) of the nonshaded center:

$A = s \cdot s$

$1\frac{1}{2} \cdot 1\frac{1}{2}$

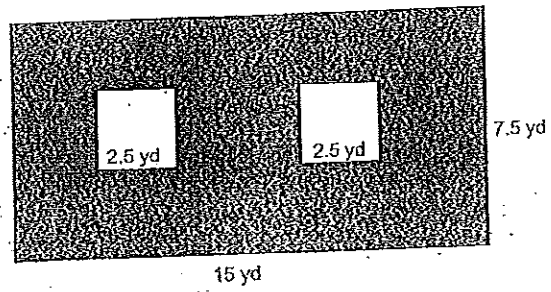
$\frac{3}{2} \cdot \frac{3}{2} = \frac{9}{4} = 2\frac{1}{4} yd^2$

Lastly, subtract the two:

$13 - 2\frac{1}{4}$

$10\frac{3}{4}$ yds^2

(2.) Find the area of the shaded portion.



First, A of whole:

$A = l \cdot w$

$15 \cdot 7.5$

$A = 112.5 yd^2$

Then, A of 2 nonshaded:

- They are congruent & they are squares.

$A = s \cdot s$

$2.5 \cdot 2.5$

$A = 6.25 \times 2 = 12.5$

$15 \times 7.5 = 75 + 1050 = 112.5$

$2.5 \times 2.5 = 125 + 500 = 6.25$

Lastly, subtract:

$112.5 - 12.5$

$100 yd^2$