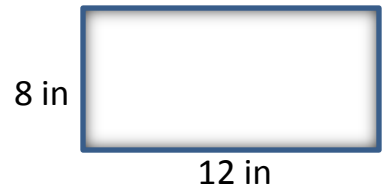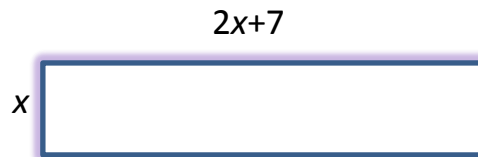Name _____   Date _____

Area and Perimeter

Perimeter:

1) Find the perimeter of the rectangle. To find the perimeter of a rectangle, you must
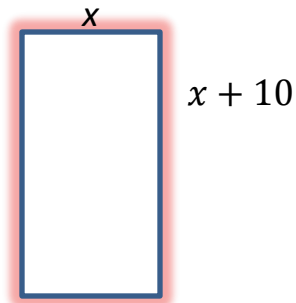
_____ all _____ side lengths.

8 in

12 in

---

2) Write a simplified expression to represent the perimeter of the rectangle.

2x+7

x

---

3) Write a simplified expression to represent the perimeter of the rectangle.

x

$x + 10$
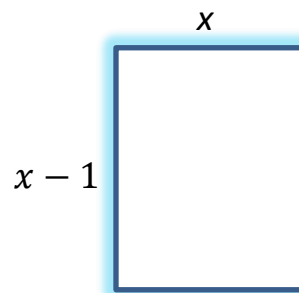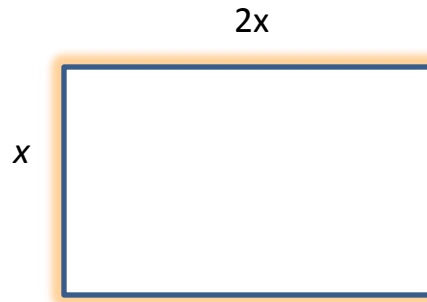
Find the perimeter if $x = 5$ _____

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4) Write a simplified expression to represent the perimeter of the rectangle.
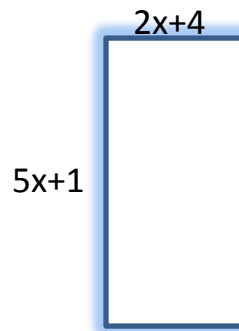
x

Find the perimeter if $x = 2.5$ _____ $x - 1$

5) Write a simplified expression to represent the perimeter of the rectangle.

2x

x

Find the perimeter if $x = \dfrac{2}{5}$ _____

6) Write a simplified expression to represent the perimeter of the rectangle.

2x+4

5x+1

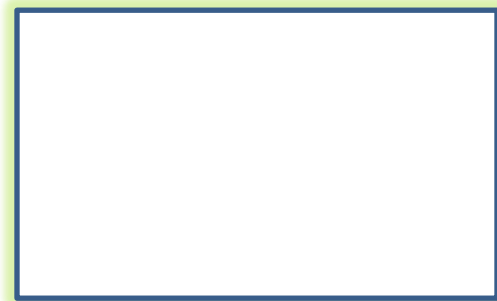Find the perimeter if $x = 8$ _____

Challenge:

7) The length of the rectangle is three times as long as the width.

a) Label each side length.

b) Write a simplified expression to represent

The perimeter of the rectangle.

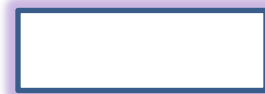c) Find the perimeter if $x = 3.4$

Challenge:

8) The width is 8 cm longer than the length.

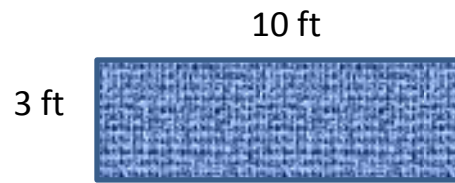a) Write an expression for each side length.

b) Write a simplified expression to represent

The perimeter of the rectangle.

c) Find the perimeter if $x = 2\dfrac{2}{3}$

1) Find the area of the rectangle. To find the area you must _____ the _____ by the _____.

10 ft

3 ft

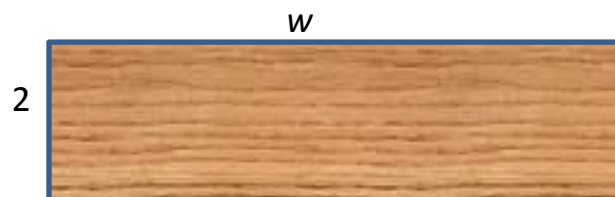2) Write a simplified expression to represent the area of the rectangle.

y

10

Find the area if $y = 4$

3) Write a simplified expression to represent the area of the rectangle.
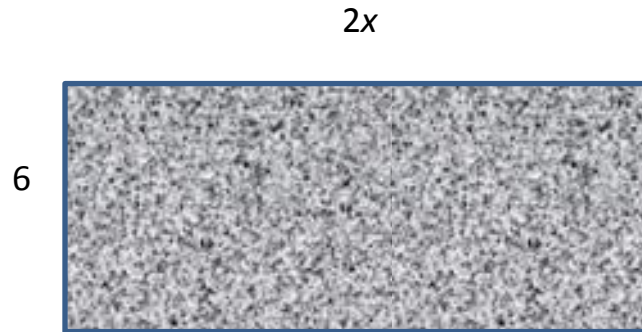
x

8

Find the area if $x = 3.5$

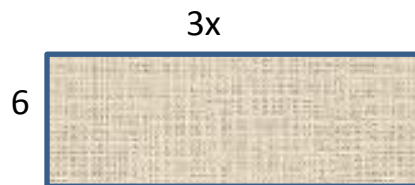4) Write a simplified expression to represent the area of the rectangle.

w

2

Find the area if $w = 3\frac{3}{8}$

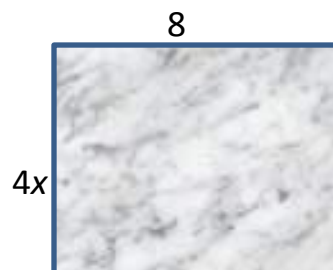5) Write a simplified expression to represent the area of the rectangle.

2x

6

Find the area if $x = 4.7$

---

6) Write a simplified expression to represent the area of the rectangle.

3x

6

Find the area if $x = 2\dfrac{4}{5}$

---

7) Write a simplified expression to represent the area of the rectangle.

8

4x

Find the area if $x = 1.56$

Challenge:

8) Write a simplified expression to represent the area of the rectangle.

$g + 2$

Find the area if $g = 8.2$ 6