

Name: _____

UNIT 7 REFRESH!

Directions: Substitute in the values and solve.

	Expression	x= 2.2	x = 6
1.	x^3		
2.	$5x + 12$		
3.	$x^3 + 2x$		

Directions: Use the following expression to name each part.

$$3m + 45 - 5c$$

- 4 a) coefficient(s): _____ b) constant(s): _____ c) operator(s): _____
d) variable(s): _____ e) How many terms are in the expression? _____

Directions: Combine like terms.

4.	$3a + 4.2b + 10.5a + 33 + 3.8$	
5.	$27.87m + 78.2 + 86.3m + 25.876$	
6.	$65 + 8.04d + 52d + 12 + 67.007$	

Directions: Create an equal expression by using the Distributive Property and combine like terms if possible.

7a. $10(5a + 2b + 8)$ _____

b. $4(3m + 7a + 9.1) + 3(6m + 8a + 6.8)$ _____

Directions: Create an equal expression by Factoring completely.

8a. $45t - 81z$ _____

b. $36a + 48c$ _____

c. $20m + 55x$ _____

Directions: Translate the verbal model into an expression or equation.

9. 9 groups of m _____

10. 16 added to the quotient of p and 4 equals 24 _____

11. The difference of 35 and 8 divided into 3 groups. _____

Directions: Solve the Addition or Subtraction equation algebraically. Check your answer by substituting your solution into the original equation. Show all work.

12. $x + 24.78 = 108$

13. $y - 1000.7 = 2365.6$

14. $806.7 + a = 7.04$

15. $g - 35 = 123$