

4.1 I can simplify an expression by combining like terms.

1. $6x + 9y + 2x - 8y + 5$

2. $5ab + b - (-a) + 5 - 6a + 8b - 14 + 5$

3. $9x - 7 + 3x - 4$

4. $11m - 3m + 5 - 6m + 7 - 2m$

5. $x + x + y - x - y + 6 - 9 - x + 2y$

6. $a - (-b) + a - b + 2a + 7b - 5$

Score: _____ %

4.2 I can write verbal expressions as variable expressions.

1. Seventeen more than a number m	2. A number x is at least 52
3. 32 less than a number p is less than or equal to that same number and 10	4. The quotient of n and 27 times the quantity of n and 4
5. The difference of a number h and 5 is 15.	6. 22 is more than the number b squared decreased by 7

4.2 I can identify the parts of an expression.

$$3x - 8 + 5y - 4 + 3x - 6y - 1 + 5xy$$

7. List the Terms:	8. Coefficients:
9. Constant Terms:	10. Like Terms:

$$4b + 4a + 4 - 4 + 14b - 13a + 5 - c$$

11. List the Terms:	12. Coefficients:
13. Constant Terms:	14. Like Terms:

Score _____ %

4.3 I can evaluate variable expressions. Evaluate the variable expression when $x = -2$, $y = 4$, and $z = -1$

1. $x^2 - x + y - (-z)$

2. $\frac{xyz}{8z}$

3. $x - y + z - (-z)$

4. $(4x)^2 + \frac{y}{z}$

5. $-(z)^2 + y - 2$

6. $x + y \div x + z \div -1$

Score: _____ %

4.4 I can apply the Distributive Property

1. $-2(x - 3)$

2. $(x - 7)6$

3. $-(x - 5)$

4. $8(-3y + 1)$

$5. (7 + 3x)(-10)$

$6. x(3x - 5)$

$7. 4(m^2 - m - 2)$

$8. (5a + 2b - 7)3$

Score: _____ %

4.5 I can simplify variable expressions.

$1. -5(x^2 + 2) - x + 4 + 3x$

$2. x(x - 4) + -(-7)$

$3. 9(8 - 6v^2) - 12v^2 + 20$

$4. -(m + 9) - 13m + 12$

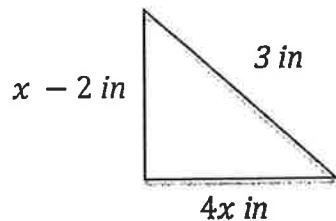
$5. 5(m + 4) - (m - 5) - 4(m^2 + 1)$

$6. 4x(-5x + 8) - x(2x - 7) - (-5x - 8) + 3(4x + 8)$

7. Find the area and the perimeter of the triangle.

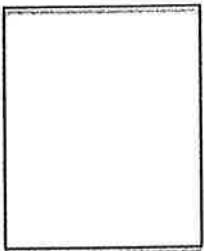
Area =

Perimeter =



8. Find the area and the perimeter of the rectangle.

$2x + 5 \text{ cm}$



Area =

Perimeter =

Score: _____ %

