



Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Algebra 1 – Unit 1 – Evaluating an Expression (Challenge)

Evaluate each expression for the given values.

1.  $2x + 2y - 5z$ ;  $x = 3, y = 5, z = 3$

2.  $\frac{3x + y + 19}{3}$ ;  $x = 8, y = 2$

3.  $3x^2 + 4y^2$ ;  $x = 4, y = 4$

4.  $2x + 3y - 2z$ ;  $x = 3, y = 5, z = 6$

5.  $5x + 5y - 5z$ ;  $x = 7, y = 6, z = 7$

6.  $3x^2 + 3x - 4$ ;  $x = 3$

7.  $3x^2 + 3y^2$ ;  $x = 2, y = 5$

8.  $2x^2 + 4y^2$ ;  $x = 5, y = 4$



# Algebra 1 - Unit 1 - Evaluating an Expression (Challenge) - Answer Key

1.  $2x + 2y - 5z; x = 3, y = 5, z = 3$   
**1**

2.  $\frac{3x + y + 19}{3}; x = 8, y = 2$   
**15**

3.  $3x^2 + 4y^2; x = 4, y = 4$   
**112**

4.  $2x + 3y - 2z; x = 3, y = 5, z = 6$   
**9**

5.  $5x + 5y - 5z; x = 7, y = 6, z = 7$   
**30**

6.  $3x^2 + 3x - 4; x = 3$   
**32**

7.  $3x^2 + 3y^2; x = 2, y = 5$   
**87**

8.  $2x^2 + 4y^2; x = 5, y = 4$   
**114**