



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

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

## Unit 1 – Evaluating an Expression

Evaluate each expression for the given values.

1.  $3x^2 + 3y^2; x = 2, y = 4$

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

3.  $\frac{4x + y + 10}{3}; x = 5, y = 6$

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

5.  $1x^2 + 2y^2; x = 2, y = 5$

6.  $\frac{3x + y + 1}{3}; x = 4, y = 2$

7.  $3x + 2y - 5z; x = 7, y = 8, z = 6$

8.  $\frac{3x + y + 4}{3}; x = 6, y = 2$



## Unit 1 – Evaluating an Expression – Answer Key

1.  $3x^2 + 3y^2; x = 2, y = 4$   
**60**

2.  $3x^2 + 4y^2; x = 4, y = 2$   
**64**

3.  $\frac{4x + y + 10}{3}; x = 5, y = 6$   
**12**

4.  $2x + 5y - 4z; x = 6, y = 3, z = 3$   
**15**

5.  $1x^2 + 2y^2; x = 2, y = 5$   
**54**

6.  $\frac{3x + y + 1}{3}; x = 4, y = 2$   
**5**

7.  $3x + 2y - 5z; x = 7, y = 8, z = 6$   
**7**

8.  $\frac{3x + y + 4}{3}; x = 6, y = 2$   
**8**