



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

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

## Evaluating an Expression

Evaluate each expression for the given values.

1.  $5x + 2y - 3z$ ;  $x = 2$ ,  $y = 8$ ,  $z = 3$

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

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

4.  $5x + 2y - 4z$ ;  $x = 5$ ,  $y = 2$ ,  $z = 7$

5.  $1x^2 + 4y^2$ ;  $x = 3$ ,  $y = 2$

6.  $3x^2 + 2y^2$ ;  $x = 2$ ,  $y = 4$

7.  $3x^2 + 5x - 7$ ;  $x = 2$

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



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## Evaluating an Expression

Evaluate each expression for the given values.

9.  $2x + 2y - 3z$ ;  $x = 5$ ,  $y = 4$ ,  $z = 7$

10.  $5x + 5y - 5z$ ;  $x = 4$ ,  $y = 3$ ,  $z = 5$



## Evaluating an Expression – Answer Key

1.  $5x + 2y - 3z$ ;  $x = 2$ ,  $y = 8$ ,  $z = 3$

**17**

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

**6**

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

**16**

4.  $5x + 2y - 4z$ ;  $x = 5$ ,  $y = 2$ ,  $z = 7$

**1**

5.  $1x^2 + 4y^2$ ;  $x = 3$ ,  $y = 2$

**25**

6.  $3x^2 + 2y^2$ ;  $x = 2$ ,  $y = 4$

**44**

7.  $3x^2 + 5x - 7$ ;  $x = 2$

**15**

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

**14**



## Evaluating an Expression – Answer Key

9.  $2x + 2y - 3z$ ;  $x = 5$ ,  $y = 4$ ,  $z = 7$

**-3**

10.  $5x + 5y - 5z$ ;  $x = 4$ ,  $y = 3$ ,  $z = 5$

**10**