



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

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