Name: _____ Date: _____

Algebra 1 - Unit 1 - Evaluating an Expression (Challenge)

1. text{Evaluate } 2x^2 + 2y^2 text{ when } x = 6, y = 4 text{Evaluate } 2x^2 + 4y^2 text{ when } x = 5, y

2. text{Evaluate } 2x + 3y - 4z text{ when } x = 7, y = 5, z = 8 text{Evaluate } 2x + 5y - 5z text{ when } x = 7, y

3. text{Evaluate } 3x^2 + 4y^2 text{ when } x = 8, y = 2 text{Evaluate } 1x^2 + 4y^2 text{ when } x = 3, y

4. text{Evaluate } frac{2x + y + 6}{4} text{ when } x = 9, y = 5 text{Evaluate } 1x^2 + 2y^2 text{ when } x = 2, y

5. text{Evaluate } 2x + 4y - 5z text{ when } x = 10, y = 7, z = 4 text{Evaluate } 1x^2 + 3y^2 text{ when } x = 4,

Algebra 1 - Unit 1 - Evaluating an Expression (Challenge) - Answer Ke

1. $\text{Evaluate } 2x^2 + 2y^2 \text{ when } x = 6, y = 5$
   x = 82

$\text{Evaluate } 2x^2 + 4y^2 \text{ when } x = 5, y$
x = 150

2. $\text{Evaluate } 2x + 3y - 4z \text{ when } x = 7, y = 8, z = 4$
   x = 14

$\text{Evaluate } 2x + 5y - 5z \text{ when } x = 7, y$
x = 9

3. $\text{Evaluate } 3x^2 + 4y^2 \text{ when } x = 2, y = 3$
   x = 48

$\text{Evaluate } 1x^2 + 4y^2 \text{ when } x = 3, y$
x = 25

4. $\text{Evaluate } \frac{2x + y + 6}{4} \text{ when } x = 5, y = 4$
   x = 5

$\text{Evaluate } 1x^2 + 2y^2 \text{ when } x = 2, y$
x = 22

5. $\text{Evaluate } 2x + 4y - 5z \text{ when } x = 2, y = 7, z = 4$
   x = 12

$\text{Evaluate } 1x^2 + 3y^2 \text{ when } x = 4,$
x = 43