



Name: _____

Date: _____

Algebra 1 – Unit 1 – Variables (Challenge)

1. Given $d = v \cdot t$, identify all three variables and their meanings when $x=4$, $y=$

2. In $\alpha \cdot \delta$, text{ if } α text{ is } the acceleration, text{ if } δ text{ is } the distance

3. Given $P = V \cdot I$, text{ identify all three variables and their meanings } $4x^2 + 5w - 3z$

4. List all variables in: $3z^2 + 5w - 5y$ 9. Evaluate $5x + 5y - 2z$ text{ when } $x=4$, $y=$

5. Given $d = v \cdot t$, text{ identify all three variables and their meanings } text{ if } λ text{ is } the wavelength



Algebra 1 – Unit 1 – Variables (Challenge) – Answer Key

1. text{Given } $d = v \cdot t$, text{ identify all three variables and their meanings when } $x=4$, $y=$

$x = 0$

$x = 0$

2. text{In } $\alpha \cdot \delta$, text{ if } α text{ is } α^2 text{ then } δ text{ is }

$x = 0$

$x = 0$

3. text{Given } $P = V \cdot I$, text{ identify all three variables and their meanings when } $x=4$, $y=$

$x = 0$

$x = 0$

4. text{List all variables in: } $3z^2 + 5w - 5y$ 9. text{Evaluate } $5x + 5y - 2z$ text{ when } $x=4$, $y=$

$x = 0$

$x = 32$

5. text{Given } $d = v \cdot t$, text{ identify all three variables and their meanings if } λ text{ is }

$x = 0$

$x = 0$