Name: _____ Date: _____

Algebra 1 - Unit 1 - Variables (Challenge)

1. Evaluate $3x + 3y - 3z$ when $x=9$, $y=9$, $z=8$
2. Given $P = V \cdot I$, identify all three variables and their meanings
3. In $r \cdot t$, if r is angle of rotation in radians and t is change in temperature, explain the product
4. Given $P = V \cdot I$, identify all three variables and their meanings
5. In $r \cdot w$, if r is angle of rotation in radians and w is wavelength in nanometers, explain the product
6. Evaluate $5x + 3y - 3z$ when $x=9$, $y=11$, $z=9$
7. Given $P = V \cdot I$, identify all three variables and their meanings
8. List all variables in: $6z^2 + 3x - 7y$

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

1. Evaluate $3x + 3y - 3z$ when $x=9$, $y=9$, $z=8$

2. Given $P = V \cdot I$, identify all three variables and their meanings

3. In $r \cdot t$, if r is angle of rotation in radians and t is change in temperature, explain the product

4. Given $P = V \cdot I$, identify all three variables and their meanings

5. In $r \cdot w$, if r is angle of rotation in radians and w is wavelength in nanometers, explain the product

6. Evaluate $5x + 3y - 3z$ when $x=9$, $y=11$, $z=9$

7. Given $P = V \cdot I$, identify all three variables and their meanings

8. List all variables in: $6z^2 + 3x - 7y$

   x, y, z

product of angle of rotation in radians and change in temperature

P: power in watts, V: voltage in volts, I: current in amperes

P: power in watts, V: voltage in volts, I: current in amperes