Name: _____ Date: _____

Fresh Math

Variables

1. Given $P = V \cdot I$, identify all three variables and their meanings
2. List all variables in: $2w^2 + 4x - 4z$
3. In $V \cdot r$, if V is volume of a cylinder and r is angle of rotation in radians, explain the product
4. List all variables in: $4wz + 4x^2 - 6y$
5. List all variables in: $5zw + 7y^2 - 2x$
6. Evaluate $3x + 5y - 4z$ when $x=9$, $y=4$, $z=4$
7. In $a \cdot r$, if a is rate of acceleration in m/s^2 and r is angle of rotation in radians, explain the product
8. Evaluate $5x + 2y - 4z$ when $x=7$, $y=6$, $z=8$

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Fresh Math

Variables

9. Given $d = v \cdot t$, identify all three variables and their meanings

10. In $V \cdot t$, if V is volume of a cylinder and t is change in temperature, explain the product

Variables - Answer Key

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

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

2. List all variables in: $2w^2 + 4x - 4z$

   w, x, z

3. In $V \cdot r$, if V is volume of a cylinder and r is angle of rotation in radians, explain the product

   product of volume of a cylinder and angle of rotation in radians

4. List all variables in: $4wz + 4x^2 - 6y$

   w, x, y, z

5. List all variables in: $5zw + 7y^2 - 2x$

   w, x, y, z

6. Evaluate $3x + 5y - 4z$ when $x=9$, $y=4$, $z=4$

   x=36

7. In $a \cdot r$, if a is rate of acceleration in m/s^2 and r is angle of rotation in radians, explain the product

   product of rate of acceleration in m/s^2 and angle of rotation in radians

8. Evaluate $5x + 2y - 4z$ when $x=7$, $y=2$, $z=8$

Variables - Answer Key

9. Given $d = v \cdot t$, identify all three variables and their meanings

10. In $V \cdot t$, if V is volume of a cylinder and t is change in temperature, explain the product

product of volume of a cylinder and cha

t: time in seconds, d: distance in meters, v: velocity in m/s