

Name _____

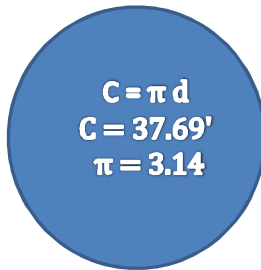
Date _____

Literal Equations

1. Solve for x; simplify.

Equation	Solved for x
$x + y = 8$	
$2x = 4y + 2z$	
$\frac{1}{2}x - 2y = z$	
$xyz = 1$	
$z(x + y) = 4$	
$3x - 2y = 12$	

2. Solve for d

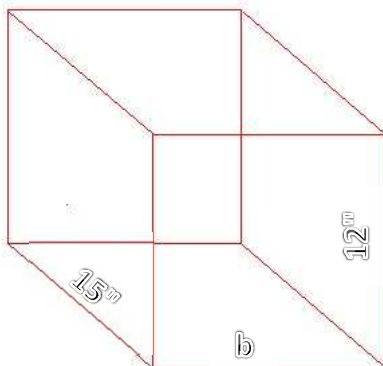


3. $\frac{\text{part}}{\text{whole}} = \frac{\text{Percent}}{100}$

27 is 30% of what number?

4. After completing 6 laps of the race, the runner had finished 40% of the total race. How many laps comprised the total race?

5. The Volume of a Prism is calculated using this formula: $V = bhl$. If the Volume of this prism is 1980 cu. in., what is the base length?



6. Solve for x: $4x + b = 2x + c$

7. Speed equals Distance over Time ($S = d/t$). Your speed averaged 40 MPH. You traveled a distance of 220 miles. Write an equation to determine time if you know speed and distance. Determine your time.

Formula	Time