

LITERAL EQUATIONS WORKSHEET

Solve for the indicated variable in the parenthesis.

1) $P = IRT$ (T)

2) $A = 2(L + W)$ (W)

3) $y = 5x - 6$ (x)

4) $2x - 3y = 8$ (y)

5) $\frac{x + y}{3} = 5$ (x)

6) $y = mx + b$ (b)

7) $ax + by = c$ (y)

8) $A = \frac{1}{2}h(b + c)$ (b)

9) $V = LWH$ (L)

10) $A = 4\pi r^2$ (π)

11) $V = \pi r^2 h$ (h)

12) $7x - y = 14$ (x)

13) $A = \frac{x + y}{2}$ (y)

14) $R = \frac{E}{I}$ (I)

15) $x = \frac{yz}{6}$ (z)

16) $A = \frac{r}{2L}$ (L)

Name:

Period:

GR | 6

Ready, Set, Go!



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Ready

Topic: Solve literal equations

Solve a linear equation involving variable coefficients using the properties of equality.

Isolate each equation to highlight the variable x . Justify each step.

1. $ax = d$

2. $b + cx = d$

3. $ab + cx = d$

Set

Topic: Solve literal equations or writing linear equations in slope-intercept form

Rearrange the following equations to solve for y (slope-intercept form).

4. $4x + y = 3$

5. $2y = 6x + 9$

6. $5x - 2y = 10$

7. $3x + 6y = 25$

8. $x - 8y = 12$

9. $3x - 7y = 20$