

Wisdom Lane Middle School  
Name: \_\_\_\_\_  
Teacher: Mr. Tomeo

# Homework #18

Date: \_\_\_\_\_  
Period: \_\_\_\_\_

## Solving Literal Equations

Solve each of the following literal equations for the stated variable.

1. $g = 6x$ ; for $x$	6. $P = 2l + 2w$ ; for $w$
2. $y - x = 8$ ; for $y$	7. $A = \frac{1}{2}bh$ ; for $b$
3. $z = m - x$ ; for $x$	8. $2y = 4x + 10$ ; for $y$
4. $\frac{y}{3} = h$ ; for $y$	9. $d = rt$ ; for $t$
5. $C = 2\pi r$ ; for $r$	10. $F = \frac{9}{5}C + 32$ ; for $C$

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11.  $-5y+15=3x$  ; *for y*

16.  $x-7y=5$  ; *for x*

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12.  $x = \frac{yz}{6}$  ; *for z*

17.  $2y-4x=10$  ; *for y*

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13.  $V = \pi r^2 h$  ; *for h*

18.  $P = IRT$  ; *for R*

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14.  $8y-4x=2$  ; *for y*

19.  $5x+10y=30$  ; *for x*

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15.  $x+y=6$  ; *for y*

20.  $V = lwh$  ; *for l*

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