

Solving Literal Equations

NAME _____
HOUR _____ DUE DATE _____

Solve the formula for the specified variable:

1.) $V = LWH$ for L

2.) $3x + y = 3$ for y

3.) $V = \frac{1}{3}Bh$ for B

4.) $3x + 2y = 4$ for y

5.) $3x - 2y = 8$ for y

6.) $2x + 3y = 6$ for y

7.) $C = \frac{5}{9}(F - 32)$ for F

8.) $d = gt^2 + vt$ for v

9.) $3x - y = 1$ for y

10.) $A + B + C = 180$ for C

11.) $2x + y = 2$ for y

12.) $2x - y = 6$ for y

13.) $3x - 2y = 6$ for y

14.) $2x + 5y = 20$ for y

15.) $C = 2\pi r$ for r

16.) $A = \frac{1}{2}Bh$ for B

17.) $P = 2L + 2W$ for L

18.) $x + 4y = 8$ for y

19.) $I = prt$ for r

20.) $d = rt$ for r

Worksheet on Solving Literal Equations

Solve each equation for the variable indicated. Show your steps.

1. $m + 2y = 3$, for y

6. $D = RT$, for T

11. $xy - 5 = 8$, for y

2. $st - a = t$, for s

7. $F = MA$, for M

12. $V = LWH$ for W

3. $\frac{f+g}{e} = r$, for g

8. $2w + 2L = P$, for W

13. $m/k = x$, for k

4. $\sqrt{r+g} = 4$, for r

9. $4x - 5y = 12$, for y

14. $F = 1.8C + 32$ for C

5. $2x + 3y = 5$, for y

10. $C = 2\pi r$, for r