

2-5: Solving Literal Equations

Name:

Hr:

Homework: Solve each equation or formula for the variable specified.

1. $3 - 4y = 7$, for y .

7. $km + 5x = 6y$, for m .

2. $5y + 15 = x$, for y .

8. $P = \frac{E^2}{R}$, for R .

3. $3x - 2y = 12$, for y .

9. $A = \pi r^2$, for π .

4. $\frac{3}{5}y + a = b$, for y .

If the area is 78.5 sq. units and the radius is 5 units, what is the value of π ?

5. $\frac{y+2}{3} = c$, for y .

10. $F = \frac{9}{5}C + 32$, for C .

6. $y = mx + b$, for m .

If the temperature is 32° F, what is the temperature in Celcius?

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

If the temperature is 42°C , what is the temperature in Fahrenheit?

12. $A = LW$, for W

If the area is 60 sq. in. and the length is 12 in., what is the width?