

PRACTICE: Solving for Missing Variable

Practice Problems: Rewrite each equation in terms of the indicated (Letter).

1) $P = IRT$ (T)

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

3) $y = 5x - 10$ (x)

4) $2x - 3y = 9$ (y)

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

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

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

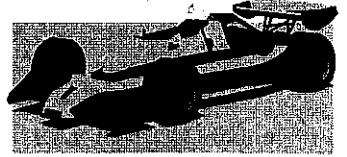
8) $V = LWH$ (L)

9) $ax + by = c$ (x)

10) $2x - 3y = 8$ (x)

PRACTICE: Solving for Missing Variable in Real-World Contexts

One useful formula from science says that distance = rate X time.
We usually write $d = rt$ to save space.



DIRECTIONS: Use the formula $d=rt$ to answer the following question by solving for the **specified variable** first. Be sure to include the units in your answer.

Delilah is driving her Volkswagen Beetle to college and she wants to get there in 3 hours to meet her roommate. If her college is 200 miles from home how **fast (r)** will she have to drive?

Raphael is driving his Toyota Camry to Chick-fil-a to get a free biscuit, and he usually travels about 40 miles per hour. If the restaurant is 10 miles from home how **long (t)** will it take him to arrive?