

## Homework

## Activity 1

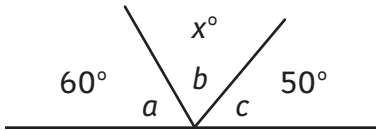
Solve the proportions using cross multiplication.

- $\frac{1}{3} = \frac{12}{f}$
- $\frac{10}{2} = \frac{15}{v}$
- $\frac{t}{4} = \frac{6}{3}$
- $\frac{10}{5} = \frac{m}{3}$

## Activity 2

Find the missing angle.

- What is the measure of  $\angle b$ ?



## Activity 3

Use the distance formula  $D = r \cdot t$  to solve these problems.

- A baseball travels through the air at 100 feet per second. How far does it travel in 4 seconds?
- It takes 30 seconds for a diver to rise from under water. She travels 5 feet per second. How far does she travel in 30 seconds?
- Snow is sliding down the side of the mountain at the rate of 50 feet per second. It travels 300 feet before it stops. How long did it take the snow to travel the 300 feet?

## Activity 4 • Distributed Practice

Solve.

- $\frac{4}{5} - \frac{1}{2}$
- $\frac{4}{5} \cdot \frac{5}{4}$
- $4^2 \div (2 + 6)$
- $(3 \cdot -6) \div 2$
- $4^2 \div 2^2$
- $6 \cdot 3 + 3$
- $-5 \cdot -2 + 10$
- Simplify using the distributive property:  $3(-2x + 1)$