Homework

Activity 1

Select two different ways you could start solving the problems (choose two answers).

1. $-2(x + 4) = 6$
   - **(a)** Add $\frac{1}{6}$ to each side.
   - **(b)** Multiply each side by $-\frac{1}{2}$.
   - **(c)** Distribute to get $-2x + -8$.
   - **(d)** Multiply each side by $\frac{1}{4}$.

2. $8 = 4\,(y - 2)$
   - **(a)** Distribute to get $4y - 8$.
   - **(b)** Add $\frac{1}{8}$ to both sides.
   - **(c)** Multiply each side by $\frac{1}{4}$.
   - **(d)** Multiply each side by $-\frac{1}{4}$.

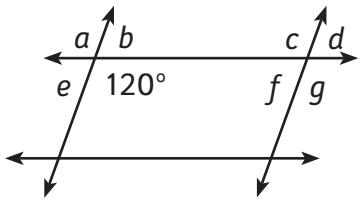
Activity 2

Solve the problems. Use the distributive property for problems 1 and 2. Use the reciprocal for problems 3 and 4.

1. $3\,(a + 1) = 9$
2. $35 = 5(b + 1)$
3. $30 = 5\,(1 + x)$
4. $-2(-z - 3) = -14$

Activity 3

Find the missing angles using the diagram.



1. What is the measure of $\angle a$?
2. What is the measure of $\angle c$?
3. What is the measure of $\angle f$?

Activity 4 • Distributed Practice

Solve.

1. $2w = 6{,}000$
2. $\frac{a}{10} = \frac{2}{5}$
3. $\frac{1}{5} \cdot b = 1$
4. $0 = 4 + x$
5. $-15 \div z = 5$
6. $3(x + 1) = 27$