Name: _____   Date: _____

Practice: Get Ready

Add and Subtract Integers

1. Add.
  a) $6 + 7$ **b)** $(-3) + 9$
  c) $10 + (-2)$ **d)** $(-4) + (-7)$

2. Find each sum.
  a) $(-4) + 7 + (-3)$
  b) $11 + (-2) + 5$
  c) $(-3) + (-8) + (-1)$
  d) $19 + (-7) + (-2)$

3. Subtract.
  a) $18 - 3$ **b)** $6 - 8$
  c) $(-7) - (-5)$ **d)** $8 - (-4)$

4. Find each difference.
  a) $(-3) - (-4)$ **b)** $(-6) - (-1)$
  c) $(-6) - 8$ **d)** $3 - (-5)$

Multiply and Divide Integers

5. Multiply.
  a) $4 \times (-3)$ **b)** $(-3) \times (-5)$
  c) $(-8) \times 2$ **d)** $(-2)(-7)$

6. Divide.
  a) $14 \div (-7)$ **b)** $(-15) \div 3$
  c) $\dfrac{-21}{-7}$ **d)** $\dfrac{9}{-9}$

Multiply Rational Numbers

7. Multiply.
  a) $\dfrac{2}{7} \times \dfrac{1}{3}$ **b)** $\dfrac{3}{4} \times \left(-\dfrac{5}{8}\right)$
  c) $-\dfrac{1}{5} \times \dfrac{2}{7}$ **d)** $\left(-\dfrac{3}{5}\right) \times \left(-\dfrac{7}{10}\right)$

8. Multiply.
  a) $\dfrac{3}{4} \times \left(-\dfrac{2}{9}\right)$ **b)** $\left(-\dfrac{3}{8}\right) \times \left(-\dfrac{4}{9}\right)$
  c) $0.2 \times (-0.45)$ **d)** $(-0.7)(-0.6)$

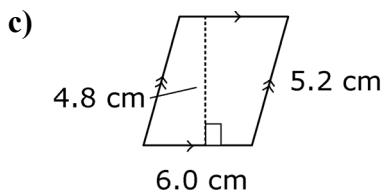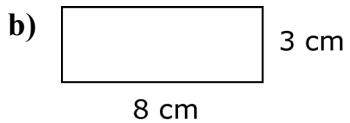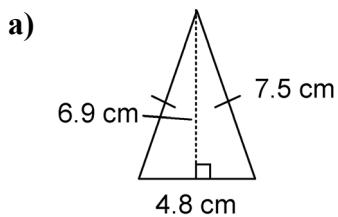## Powers

9. Write each as a power.
  a) $2 \times 2 \times 2 \times 2 \times 2$
  b) $6 \times 6 \times 6$
  c) $t \times t \times t \times t \times t \times t$
  d) $(-4) \times (-4)$

10. Expand each power, then evaluate.
  a) 3^4 **b)** 5^5
  c) 2^3 **d)** 9^2

Perimeter and Area

11. Find each perimeter.

  a)

  b)

  c)

12. Find the area of each figure in question 11.