

Name: _____

Unit 2 **Practice** Exam: Fractions
Pre-Algebra

Write the missing number in each pair of equivalent fractions.

$$1) \quad \frac{2}{3} = \frac{\boxed{}}{9}$$

$$2) \quad \frac{6}{8} = \frac{\boxed{}}{4}$$

Simplify (reduce) each fraction below completely.

$$3) \quad \frac{2}{8} =$$

$$4) \quad \frac{8}{40} =$$

Complete each operation. Make sure your answers are simplified.

$$5) \quad \frac{1}{2} \cdot \frac{2}{10} =$$

$$6) \quad \frac{1}{4} \cdot \frac{8}{15} =$$

Complete each operation. Make sure your answers are simplified.

$$7) \quad \frac{1}{2} \cdot \frac{5}{4} =$$

$$8) \quad \frac{11}{2} \div \frac{1}{2} =$$

$$9) \frac{10}{5} \cdot \frac{6}{2} =$$

$$10) \frac{5}{7} \div \frac{3}{4} =$$

Complete each operation. Make sure your answers are simplified.

$$11) \frac{10}{5} + \frac{6}{5} =$$

$$12) \frac{3}{8} - \frac{1}{8} =$$

Complete each operation. Make sure your answers are simplified.

$$13) \frac{3}{4} + \frac{2}{6} =$$

$$14) \frac{4}{5} - \frac{4}{7} =$$

Solve for x. Make sure you show your work using cross-multiplication.

$$15) \frac{1}{5} = \frac{x}{15}$$

$$16) \frac{6}{2} = \frac{4}{x}$$

17)

Matthew bought 32 baseballs for \$16. How many baseballs can Evelyn buy if she has \$4?

18)

Jenny was planning a trip to the United Arab Emirates. Before going, she did some research and learned that the exchange rate is 4 Dirhams for every \$1. How many Dirhams would she get if she exchanged \$5?