

130 WORKSHEET (6.4)

Name \_\_\_\_\_

1. What property of rational numbers could you use to help simplify the following computation? Identify the property and use it to perform the operation.

$$5 + \frac{4}{9} - 3 + \frac{5}{9}$$

2. Use the distributive property of multiplication over addition to compute:

$$-5 \times 6\frac{1}{5}$$

3. What is the additive inverse of  $-\frac{3}{7}$ ?

4. What property of rational numbers supports the following statement.

$$5 \cdot \frac{1}{5} x = x$$

5. Round the fractions to 0,  $\frac{1}{2}$ , or 1 and estimate the sum.

$$\frac{6}{7} + \frac{2}{5} + \frac{1}{12} + 3$$

6. What is the multiplicative inverse of

(i)  $-\frac{9}{5}$

(ii) 7

7. Use compatible numbers to estimate  $\frac{2}{7}$  of 605.