

## Section 8.1 Warm Up

1. Write each of the numbers as an improper fraction.

a)  $2\frac{1}{2}$

b)  $-8$

c)  $-4\frac{2}{3}$

d)  $-3\frac{1}{5}$

2. Divide. Write your answers in lowest terms.

a)  $-3\frac{1}{2} \div \left(-2\frac{1}{2}\right)$

$$= \frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}} \div \left( \frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}} \right) \quad \text{Change to improper fractions.}$$

$$= \frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}} \times \frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}} \quad \text{Multiply by the reciprocal.}$$

$$= \frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}} \quad \begin{array}{l} \text{Multiply the numerators} \\ \hline \text{Multiply the denominators} \end{array}$$

$$= \frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}} \quad \text{Write in lowest terms.}$$



Name: \_\_\_\_\_

Date: \_\_\_\_\_

**BLM 8-3**  
(continued)

**b)**  $1\frac{3}{4} \div \left(-1\frac{1}{4}\right)$

**c)**  $-\frac{2}{3} \div 3$

**d)**  $-\frac{5}{6} \div (-2)$

**e)**  $-5\frac{1}{3} \div \left(-2\frac{2}{3}\right)$

