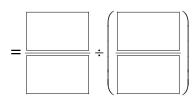Name: _____   Date: _____

Section 8.1 Warm Up

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

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

b) -8
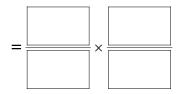
c) $-4\frac{2}{3}$

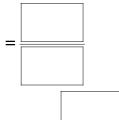**d)** $-3\frac{1}{5}$

2. Divide. Write your answers in lowest terms.

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

$= \dfrac{\boxed{}}{\boxed{}} \div \left(\dfrac{\boxed{}}{\boxed{}}\right)$ Change to improper fractions.

$= \dfrac{\boxed{}}{\boxed{}} \times \dfrac{\boxed{}}{\boxed{}}$ Multiply by the reciprocal.

$= \dfrac{\boxed{}}{\boxed{}}$ $\dfrac{\text{Multiply the numerators}}{\text{Multiply the denominators}}$

$= \underline{}\dfrac{\boxed{}}{\boxed{}}$ Write in lowest terms.

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

c) $-\dfrac{2}{3} \div 3$

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

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