Name _____ Date _____

Master 3.22

Extra Practice 5

Lesson 3.5: Dividing Rational Numbers

1. Determine each quotient.

a) i) $16 \div 2$ **ii)** $(-1.6) \div 0.2$

b) i) $60 \div 3$ **ii)** $(-0.6) \div (-3)$

2. Predict the sign of each quotient, then calculate each quotient.

a) $\frac{1}{5} \div \left(-\frac{2}{5}\right)$ **b)** $\left(-\frac{2}{3}\right) \div \left(\frac{5}{6}\right)$

c) $\left(-\frac{3}{4}\right) \div \left(-\frac{5}{2}\right)$ **d)** $\frac{5}{9} \div \left(-\frac{2}{3}\right)$

3. A diver descends 3.2 m in 5 min. What was his average rate of descent in metres per minute?

4. Use a calculator to determine each quotient. Round each answer to the nearest hundredth.

a) $16.4 \div (-5.5)$ **b)** $(-0.98) \div 12.4$

5. Determine each quotient.

a) $3\frac{1}{2} \div \left(-2\frac{1}{6}\right)$ **b)** $\left(-2\frac{1}{5}\right) \div \left(-4\frac{3}{4}\right)$

6. Replace each $\square$ with a rational number to make each equation true.

a) $\square \times 2.5 = -1.6$ **b)** $(-5.7) \div \square = 1.5$