Name _____ Date _____ Class _____

LESSON 9-7

Interactive Study Guide

Dividing Integers

Rules for Dividing Integers
If the signs are the same, the quotient is positive.
If the signs are different, the quotient is negative.

Dividing Integers

Find each quotient.

A. 18 ÷ (−6) *Think:* What number times −6 equals 18? _____

_____ • (−6) = _____, so 18 ÷ (−6) = _____.

B. −21 ÷ (−3) *Think:* What number times –3 equals −21? _____

_____ • (−3) = _____, so −21 ÷ (−3) = _____.

Evaluating Integer Expressions

Evaluate $\frac{c}{2}$ for each value of c.

A. $c = 10$

$\frac{c}{\ }$ Write the expression.

$\frac{\ }{\ } =$ _____ ÷ 2 What will you substitute for *c*? Divide.

Are the signs different or the same? _____

= _____ So, the answer is _____.

B. $c = -16$

$\frac{c}{\ }$ Write the expression.

$\frac{\ }{\ } =$ _____ ÷ _____ What will you substitute for *c*? Divide.

Are the signs different or the same? _____

= _____ So, the answer is _____.