

Hand back quizzes

$$3 + (-2) = -2 + 3$$

$$0 + 5 = 5$$

$$(16 + 9) - 27 = 16 + (9 - 27)$$

↑ Review/Warm-up

2.4 Multiply Real #'s

When you multiply 2 #, when do you get:

a + answer?

a - answer?

$$(+)(+) = +$$

$$(+)(-) = -$$

$$(-)(-) = +$$

$$(-)(+) = -$$

SAME SIGN

DIFFERENT SIGNS

Properties of Multiplication

Commutative Property - Can switch order

$$4 \cdot (-5) = -5 \cdot 4$$

Associative Property - Can change grouping

$$(-2 \cdot 7) \cdot 3 = -2 \cdot (7 \cdot 3)$$

Identity Property - To stay same, multiply by 1

$$-6 \cdot 1 = -6$$

Property of zero - Any # times 0 is 0

$$42 \cdot 0 = 0$$

Property of -1 - Any # times -1 is the opposite

$$-1 \cdot \frac{17}{23} = -\frac{17}{23}$$

p91: 1-11,

19-41 odd,

43, 44,

50-54