Unit 1

Review (Day 2)

11.2 & 11.3 Adding Integers

Add.

1) $-16+(-11)=$

SAME SIGN
- Ignore the signs
- Add numbers
- Put sign back

DIFFERENT SIGNS
- Ignore the signs
- Subtract
- Put sign back of number that "looks" the biggest

2) $-15+21=$

3) $100+(-76)=$

4) $-32+(-24)+19=$

11.2 & 11.3 Adding Integers

Additive Inverse

5) $-9 + \_\_\_\_ = 0$

6) $\_\_\_\_ + 7 = 0$

7) $15 + \_\_\_\_ = 0$

Another name for the additive inverse is the _____ .

Rule for Subtracting Integers

To subtract integers, add the opposite!

Keep, Change, Change!

1) $8 - 18 =$

2) $-16 - (-5) =$

3) $-18 - 7 =$

4) $-12 - (-27) =$

Rule for Subtracting Integers

To subtract integers, add the opposite!

Keep, Change, Change!

5) $-6-(-10)+(-13)=$

6) $-14-7-(-24)=$

11.4 – Multiplying Integers

Multiply numbers like regular multiplication… however…

POSITIVE X POSITIVE = POSITIVE
POSITIVE X NEGATIVE = NEGATIVE
NEGATIVE X POSITIVE = NEGATIVE
NEGATIVE x NEGATIVE = POSITIVE

1) $-8 \cdot 6$

2) $10(-7)$

3) $-3 \cdot (-6)$

4) $(-12)(5)$

11.5 – Multiplying Integers

Divide numbers like regular division… however…

POSITIVE ÷ POSITIVE = POSITIVE
POSITIVE ÷ NEGATIVE = NEGATIVE
NEGATIVE ÷ POSITIVE = NEGATIVE
NEGATIVE ÷ NEGATIVE = POSITIVE

1) $-18 \div 9$

2) $\dfrac{-42}{-6}$

3) $\dfrac{-30}{6}$

4) $84 \div (-7)$

Evaluating with negative numbers

Evaluate when $x = 3,\ y = -4,$ and $z = -6$

5) $\dfrac{xy}{z}$

6) $\dfrac{z - 2x}{y}$

Finding the Mean

Find the mean of the integers.

7) $-3, -8, 12, -15, 9$