

Prealgebra ~ Lesson 11

Work the following examples as you listen to the recorded lecture.

Subtracting Integers

Sign Rules for Adding and Subtracting	
1. The sign rules we learned below still work for subtraction.	
2. Subtracting a positive is like adding a negative: $6 - 3$ is the same as $6 + (-3)$	
3. Two negative signs together can be turned into a positive: $5 - (-3)$ is the same as $5 + 3$	
Like Signs (+,+ or -, -)	Unlike Signs (+,- or -,+)
1. Add the numbers	1. Subtract the numbers
2. Keep the sign	2. Keep the sign of the larger (absolute value)

Example 1:

$$-8 - (-8)$$

Example 2:

$$3 - 15$$

Example 3:

$$84 - (-20)$$

Example 4:

$$8 - 9$$

Translate and then simplify each phrase:

Example 5: Subtract 10 from -22.

Example 6: Find the difference of -8 and -13.

Example 7: Subtract -12 from 2.

Add or subtract the following problems:

Example 8: $-15 + (-8) - 4$

Example 9: $5 + (-18) - (-21) - 2$