Name _____

Reteaching
10-5

Subtracting Integers

You can use this rule to subtract integers.

Rule: To subtract an integer, add its opposite.

Examples:

Find: $8 - (-3)$
The opposite of -3 is 3.
Add: $8 + 3 = 11$
So, $8 - (-3) = 11$

Find: $-6 - 7$
The opposite of 7 is -7.
Add: $-6 + (-7) = -13$
So, $-6 - 7 = -13$

Find: $-3 - (-9)$
The opposite of -9 is 9.
Add: $-3 + 9 = 6$
So, $-3 - (-9) = 6$

Find each difference.

1. $5 - (-1)$
The opposite of -1 is 1

Add: $5 +$ ____ $=$ ____

2. $-10 - 3$
The opposite of 3 is ____

Add: $-10 +$ ____ $=$ _____

3. $-7 - (-2)$

_____

4. $-9 - 4$

_____

5. $6 - (-10)$

_____

6. $-1 - (-3)$

_____

7. Writing to Explain Without computing, how do you know that the answer to $7 - (-15)$ is positive?

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8. Draw a Picture In one football game the Wildcats gained 5 yards on one play, lost 8 yards on the next play, and gained 6 yards the next play. In all, how many yards did they gain or lose?

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