2.3 Subtracting Integers

Goals: ·Subtract positive and negative numbers

1. Rewrite subtraction as _____ the opposite.
2. Follow rules for _____.

Ex: 3 – 10

Ex: –2 – 7

Ex: 9 – 26

Ex: −4 – 12

Ex: 8 – 13

Ex: −3 – 15

1. Subtracting a negative is the same as _____a _____.
2. Then following adding rules.

Ex: 2 – (–7)

Ex: –3 – (–4)

Ex: 4 – (−6)

Ex: −15 – (−2)

Ex: −1 – (–11)

Ex: −5 – (−3)

*****Challenges*

For each of the problems below begin by rewriting the problem but leaving blank spaces where the variables are.

Then substitute in the correct values.
Change subtraction to adding the opposite.
Follow addition rules.

Ex: $x = -5$, $y = 3$

$y - x$

Ex: $x = 4$, $y = 12$

$-y - (-x)$

Ex: $x = 2$, $y = -3$, $z = -4$

$-z - x - y$

Ex: $x = 10$, $y = 27.4$

$x - y$

_____ − _____

Ex: $r = 24.8$, $s = -32$

$r - (-s)$

_____ – (− _____)

Ex: $-17 - (-x)$ when $x = -2.4$

Ex: $r - y - x$

$r = 2.5$ $y = 17.2$ $x = -12$