



where $x = -5$

$$-|(-5) = \textcircled{+5}$$

$$-5$$

2.2 | Adding Real #'s (Integers)

Same Sign: add, and keep the sign

$$(+4) + (+3) = +7$$

$$(-6) + (-2) = -8$$

different signs : Subtract the absolute values of the #'s, and keep the sign of the larger value

$$-8 + (+3) = -5$$

$$\underline{8} - 3 = 5$$

$$7 + (-12) = -5$$

$$\underline{12} - 7 = 5$$

Properties of +

Commutative: order of addends
do not matter

$$a + b = b + a$$

associative: grouping of addends
doesn't matter

$$(a + b) + c = a + (b + c)$$

$$(a + b) + c$$

$$a + (b + c)$$

$$a + (c + b)$$

$$(a + c) + b$$

associative

commutative

associative

$$3 + (7 + 8) = (3 + 7) + 8$$

Identity: $a + 0 = a$

$$8 + 0 = 8$$

Inverse: $a + (-a) = 0$

2.2: #12-22 even, 26-28, 33, 36, 38, 42, 54, 62, 65 and that's all folks!