

T-A1 Algebra 1 week 5

$$-8 + 5 = -3$$

$$\begin{array}{c} \downarrow \\ +8 \end{array} + \begin{array}{c} \downarrow \\ (-5) \end{array} = \boxed{+3}$$

start

$$-8 + (-5) = -13$$

$$-2 + 7 = 5$$

$$-2 + (-7) = -9$$

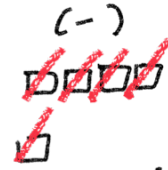
$$2 + (-7) = \boxed{-5}$$

$$-9 \begin{array}{c} + \\ \uparrow \\ - \\ \downarrow \\ 4 \end{array} = -9 + (-4) = -13$$

$$9 \boxed{-(-4)} = 9 + 4 = \boxed{13}$$

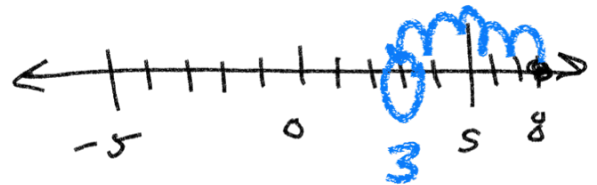
$$-9 \boxed{-(-4)} = -9 + 4 = \boxed{-5}$$

$$9 - 4 = \boxed{5}$$



Different signs,
take the difference

$$8 - 5 = 3$$



$$\begin{array}{c} \text{---} \\ -3 \end{array} \begin{array}{c} + \\ \uparrow \\ - \\ \downarrow \\ 8 \end{array} = \begin{array}{c} \text{---} \\ -3 + (-8) \end{array} = \boxed{-11}$$

$$3 \begin{array}{c} \text{---} \\ -8 \end{array} = \boxed{-5}$$

$$8 - 3 = 5$$

$$3 \boxed{-(-8)} = 3 + 8 = \boxed{11}$$

$$-3 \boxed{-(-8)} = -3 + 8 = \boxed{5}$$

$$(-8)(9) = \boxed{-72}$$

$$(-36) \div (4) = \boxed{-9}$$

$$(-8)(-9) = \boxed{72}$$

$$(36) \div (-4) = \boxed{-9}$$

$$(8)(-9) = \boxed{-72}$$

$$(36) \div (4) = \boxed{9}$$

$$(8)(9) = \boxed{72}$$

$$(-36) \div (-4) = \boxed{9}$$

$$18 + 4^2 \div 8$$
$$18 + 16 \div 8$$

$$4^2 = 4 \cdot 4 = 16$$

$$18 + 2 = \boxed{20}$$

$$(-8)(-5)(-3) = \boxed{-120}$$

$$(-2)^3 = (-2)(-2)(-2)$$

$$32 \div (-2)^3 [32 \div -8] = \boxed{-4}$$

$$32 \div (-7+5)^3 = \boxed{-4}$$

$$\left(\frac{a}{b}\right)^2 + b^3$$

$$a = 24 \quad b = -3$$

$$-\cancel{(-3)}^3 \text{ or } (-3)^3$$

$$(-8)^2 = (-8)(-8)$$

$$\left(\frac{24}{-3}\right)^2 + (-3)^3$$

$$= (-8)^2 + (-3)^3$$

$$64 - 27 = \boxed{37}$$

even $\rightarrow \oplus$
odd $\rightarrow \ominus$

1-7 Distributive Property

$$2(5x+4) = \underbrace{2 \times 5x + 2 \times 4}_{10x + 8}$$

$$4(7x-3) = 28x - 12$$

$$6(5-3x) = 30 - 18x$$

$$(2x-4)3 = 6x - 12$$

$$8(x+y) = 8x + 8y$$

$$-1(-2x+1) = 2x - 1$$

change the sign

$$-2(14x-3) = \underbrace{(-2)(14x) - (-2)(3)}_{-28x + 6}$$

$$\boxed{-5d} + 3(2d-7)$$

$$-5d + 6d - 21$$

$$\boxed{d - 21}$$

Combine like terms

Quiz 3 due tonight!
Quiz 4 due Oct 13th

HW 1-7 evens
Supplemental
Online HW 5 (Thurs)
Quiz 5 (Thurs)
due Oct 20th