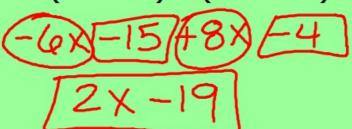
## **Warm Up**

9/10/18

1. Simplify:  $-4[-3(2^3 - 3^2)] + 10$ 

 $(-3)^{2} = 9$  $-3^{2} = 9$ 

2. Simplify: -3(2x + 5) - 1(-8x + 4)



. Evaluate:  $6x - y + z^2$  if x=4 y=-7 z=-3

## Integer Word Problems

## Circle the numbers Underline the question Box key words and use Math notation Eliminate extra info Show your work to

solve the problem

1. A submarine is cruising at 40m below sea level. The submarine ascends 18m.
What is the submarine's new location?

-40+18
-22 meters
22 meters
below seg level

2. A bird flies 6 yards above the ocean searching for fish. A fish swims 2 yards below the surface. How far apart are the fish and the bird?

(a-(-2) (a+2 8 yards) 3. Last week Jenny opened a bank account and deposited \$120 This week she withdrew \$42 and wrote a check for \$21.50 What is her account balance now?

120 -42 -21.50

-78.00 78-21.50

56.50 \$56.50

4. The record high temperature in Atta, Alaska is 72 degrees whereas the record low temperature is -47 degrees. What is the difference in the two temperatures?

72 - (-47)
72+47

