WARM UP ANSWERS

1. Find two consecutive odd integers whose sum is 96.

X + x+ 2 = 96

2x + 2 = 96

2x = 94

x = 47

Two integers are 47, 49

2) Three consecutive integers are such that three times the smallest is 22 more than the largest. Find the integers.

1st: x

2nd: x+ 1

3rd: x + 2

THESE ARE THE NUMBERS WE ARE LOOKING FOR. THEY ARE NOT USED IN THE EQUATION BECAUSE IT DOESN’T SAY WE ARE TAKING THE SUM OF ALL THREE NUMBERS

EQUATION: 3(x) = (x + 2) + 22

 3x = x + 24

 2x = 24

 x = 12

So, the three numbers are 12, 13, 14

3)  9(2x -7) = - 6 ( 2x - 24)

 18 x – 63 = 12x + 144

 -12x -12x

 6x – 63 = 144

 + 63 + 63

 6x = 207

 6 6

 x = 34.5