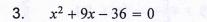
1.
$$x^2 - 5x = -14$$

$$2. x^2 + 12x = -30$$



4.
$$3x^2 - 18x = 0$$

$$5. \quad 3(x-5)^2 - 12 = 0$$

Wednesday, November 20, 2019 Alg 2 Bellwork



Solve each Quadratic Equation by any method but you must use factoring at least once. Round to the nearest hundredth as necessary.

1.
$$x^2 - 5x = -14$$

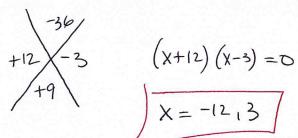
2.
$$x^2 + 12x = -30$$

 $+30 + 30$
 $x^2 + 12x + 30 = 0$

$$(2 + 12 \times +30 = 0)$$

$$X = \frac{-12 \pm \sqrt{24}}{2}$$

3.
$$x^2 + 9x - 36 = 0$$



$$(\chi+12)(\chi-3)=0$$

$$X = -12 \cdot 3$$

$$4. \quad 3x^2 - 18x = 0$$

$$3x(x-6) = 0$$

5.
$$3(x-5)^2 - 12 = 0$$

$$\frac{3(x-5)^2}{3} = \frac{12}{3}$$

$$X-5 = \pm 2 + 5$$

 $+5$
 $X = +2 + 5 = 7$
 $X = -2 + 5 = 3$
 $X = 3.7$

$$X = {}^{+2} + 5 = 7$$