

## SM2-A HW #2-12 (Factor Trinomials)

Date \_\_\_\_\_ Period \_\_\_\_\_

**Factor each completely.**

1)  $x^2 - 7x + 12$

2)  $n^2 + 13n + 36$

3)  $x^2 + 4x - 60$

4)  $x^2 - 16$

5)  $n^2 + 11n + 10$

6)  $p^2 + 19p + 90$

7)  $p^2 + 7p - 30$

8)  $m^2 - 12m + 32$

9)  $p^2 + 10p + 9$

10)  $x^2 + 16x + 60$

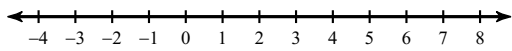
**Solve each equation.**

11)  $6(7k + 1) = 90$

12)  $330 = 5(8x + 2)$

**Solve each compound inequality and graph its solution.**

13)  $13 \leq x + 10 \leq 15$



14)  $\frac{n}{7} \geq 1$  or  $n + 2 \leq -4$

