

SM2 HW #5-1 (factor simple trinomials)

Date _____ Period _____

Factor each completely.

1) $a^2 - 10a$

2) $n^2 + 4n - 21$

3) $n^2 - 16$

4) $a^2 + 64$

5) $n^2 - 5$

6) $x^2 + 12$

7) $k^2 - 8k - 20$

8) $x^2 + 4x - 12$

9) $a^2 - 2a - 15$

10) $n^2 + 4n - 32$

11) $x^2 - 12x - 28$

12) $x^2 - 11x - 26$

Factor each completely.

13) $4x^2 + 36x + 56$

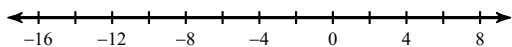
14) $3k^2 - 24k + 21$

15) $4x^2 - 40x + 84$

16) $5x^2 - 5x - 210$

Solve each inequality (write an equivalent "and" or "or" inequality and graph its solution.)

17) $2|x + 4| + 7 \leq 27$



18) $-6|p - 9| - 2 < -110$

