

### Guided Practice

Factor each polynomial. FOIL check your answers.

\*Remember to factor out the GCF first, when possible.

1.)  $x^2 - 12x + 36$

2.)  $a^2 + 18x + 81$

\*3.)  $6x^2 + 12x + 6$

4.)  $b^2 - 10b + 25$

5.)  $25x^2 - 9$

6.)  $x^2 + 8x + 16$

\*7.)  $2x^2 + 8x + 6$

8.)  $a^2 - 14a + 49$

\*9.)  $2a^2 - 10a + 12$

10.)  $y^2 + 20y + 100$

Factoring Trinomials ( $a > 1$ )

Factor each completely.

1)  $3p^2 - 2p - 5$

2)  $2n^2 + 3n - 9$

3)  $3n^2 - 8n + 4$

4)  $5n^2 + 19n + 12$

5)  $2v^2 + 11v + 5$

6)  $2n^2 + 5n + 2$

7)  $7a^2 + 53a + 28$

8)  $9k^2 + 66k + 21$