Factor Quadratics
(Difference of Squares, two variables)

Factor each completely.

$b^2 - 36y^2$

$81r^2 - 64k^2$

$49c^2 - 9x^2$

$36p^2 - 81w^2$

$25b^2 - 9a^2$

$9p^2 - 4g^2$

$36w^2 - 16n^2$

$49n^2 - c^2$

Factor Quadratics
(Difference of Squares, two variables)

Factor each completely.

$b^2 - 36y^2$

$= (b + 6y)(b - 6y)$

$81r^2 - 64k^2$

$= (9r + 8k)(9r - 8k)$

$49c^2 - 9x^2$

$= (7c + 3x)(7c - 3x)$

$36p^2 - 81w^2$

$= (6p - 9w)(6p + 9w)$

$25b^2 - 9a^2$

$= (5b + 3a)(5b - 3a)$

$9p^2 - 4g^2$

$= (3p - 2g)(3p - 2g)$

$36w^2 - 16n^2$

$= (6w - 4n)(6w + 4n)$

$49n^2 - c^2$

$= (7n - c)(7n + c)$