

Factor Quadratics
(Perfect Squares, two variables)

Factor each completely.

$$25s^2 + 80sa + 64a^2$$

$$9g^2 - 42gn + 49n^2$$

$$r^2 - 16rw + 64w^2$$

$$4p^2 + 36pm + 81m^2$$

$$3z^2 - 6zp + 3p$$

$$16g^2 - 24gk + 9k^2$$

$$18k^2 + 48km + 32m$$

$$4s^2 + 4sp + p^2$$

Factor Quadratics (Perfect Squares, two variables)

Factor each completely.

$$\begin{aligned} 25s^2 + 80sa + 64a^2 \\ = (5s + 8a)^2 \end{aligned}$$

$$\begin{aligned} 9g^2 - 42gn + 49n^2 \\ = (3g - 7n)^2 \end{aligned}$$

$$\begin{aligned} r^2 - 16rw + 64w^2 \\ = (r - 8w)^2 \end{aligned}$$

$$\begin{aligned} 4p^2 + 36pm + 81m^2 \\ = (2p + 9m)^2 \end{aligned}$$

$$\begin{aligned} 3z^2 - 6zp + 3p \\ = 3(z - p)^2 \end{aligned}$$

$$\begin{aligned} 16g^2 - 24gk + 9k^2 \\ = (4g - 3k)^2 \end{aligned}$$

$$\begin{aligned} 18k^2 + 48km + 32m \\ = 2(3k + 4m)^2 \end{aligned}$$

$$\begin{aligned} 4s^2 + 4sp + p^2 \\ = (2s + p)^2 \end{aligned}$$