# Factor Quadratics <br> (Difference of Squares, $a=1$ ) 

Factor each completely.
$y^{2}-49$
$r^{2}-16$
$b^{2}-64$
$c^{2}-25$
$r^{2}-4$
$p^{2}-81$
$g^{2}-9$
$n^{2}-36$

Factor Quadratics
(Difference of Squares, $a=1$ )
Factor each completely.

$$
\begin{array}{l|l}
\begin{array}{l}
y^{2}-49 \\
=(y-7)(y+7) \\
r^{2}-16
\end{array} & \begin{array}{r}
r^{2}-4 \\
=(r-2)(r+2)
\end{array} \\
=(r-4)(r+4) & p^{2}-81 \\
=(p-9)(p+9) \\
b^{2}-64 & \\
=(b-8)(b+8) & g^{2}-9 \\
& =(g-3)(g+3) \\
c^{2}-25 & \\
=(c-5)(c+5) & n^{2}-36 \\
=(n-6)(n+6)
\end{array}
$$

