## Calendar Math

Given the equation, graph the transformation

Ex 1: $y=-(x-2)^{2}+6$
flip Zunits right
6 units up


Parent graph

Ex 2: $y=|x-3|-2$


3 units right
2 units down
$E x$ 3: $y=\sqrt{x+3}-1$


3units left l unit down

Difference of Squares

$$
\overline{\left(a^{2}-b^{2}\right)=}(a-b)(a+b)
$$

$$
x^{2}-9
$$

$$
\kappa^{-}
$$

$$
\sqrt{x^{2}}=x
$$

$$
(x+3)(x-3)
$$

$$
\begin{aligned}
& \sqrt{4}=2 \\
& \sqrt{9}=3 \\
& \sqrt{16}=4 \\
& \sqrt{25}=5 \\
& \sqrt{36}=6 \\
& \sqrt{49}=7 \\
& \sqrt{64}=8 \\
& \sqrt{81}=9 \\
& \sqrt{100}=10
\end{aligned}
$$





