## Warm Up

Factor Use the Quadratic Formula

1) $\left.m^{2}-28+3 m=02\right) 3 n^{2}+6 n=22$ $m=-7$ $m=+4$
Graph
2) $(n+2)(n-2)=0$


5-2 Graphing in Vertex form

$$
\begin{gathered}
x=9 \\
V=\binom{5}{r} \\
\text { ABS }=\frac{9}{5} \\
M M=\frac{-1}{1}
\end{gathered}
$$


3) $y=-3(x-2)^{2}-4$

4) $y$ (11 $x+3)^{2}+4$


$$
\begin{aligned}
& \text { 5) } y=-\frac{1}{4}(x-2)^{2}-3 \quad M=-\frac{1}{4} \quad(2,-3)
\end{aligned}
$$

$$
\begin{aligned}
& \text { A.S. }=2 \\
& M=\frac{-D}{4 \rightarrow}
\end{aligned}
$$

6) $y=(x+3)^{2}-4$

7) $y=-(x-5)^{2}-6$

8) $y=-(x+6)^{2}+4$

9) $y=2(x+3)^{2}+0$

A. $5=.3$
$v=(-3,0)$
10) $y=(x-6)^{2}+2$


$$
\begin{aligned}
& A \cdot S=6 \\
& V=O R
\end{aligned}
$$

# 5-2 Graphing in Vertex form 

Objective

- I can graph a quadratic equation in vertex form.

Do problem B on your Skills sheet.

