$\qquad$ Date: $\qquad$

| Learning Goal 3.1 | Given a quadratic function, identify the <br> transformations that graph has undergone from the <br> standard graph of $y=x^{2}$. |
| :--- | :--- |

Graph

$$
f(x)=(x-5)^{2}+1
$$



Graph $f(x)=(x-3)^{2}-5$


Graph $\quad f(x)=(x-1)^{2}-9$


Graph $\quad f(x)=(x+5)^{2}+2$


