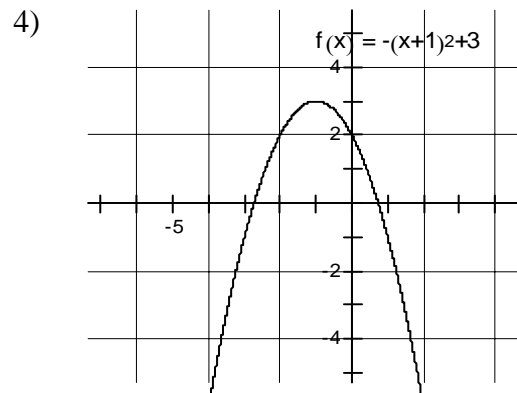
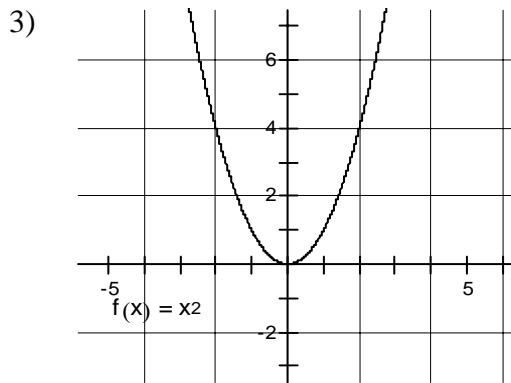
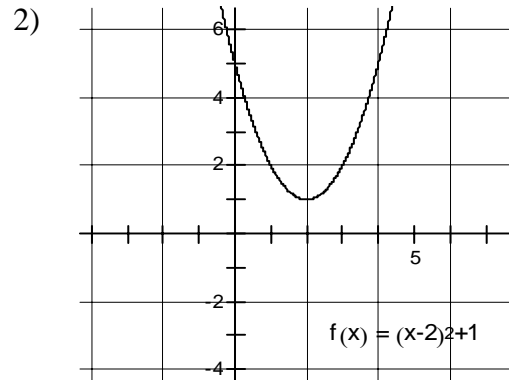
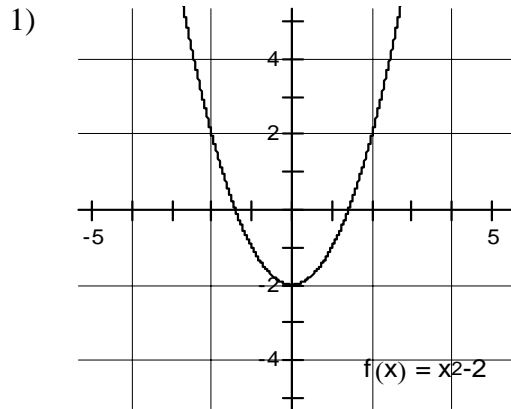


Name _____ Date _____

State the domain and range.



5) Describe the translation of $f(x) = (x-2)^2 + 1$ to $g(x) = (x+3)^2 - 4$.

6) Describe how these two graphs are the same and different.

$$f(x) = x^2 + 2 \quad \text{and} \quad g(x) = -x^2 + 2$$

Vertex?

Orientation?

Shape?