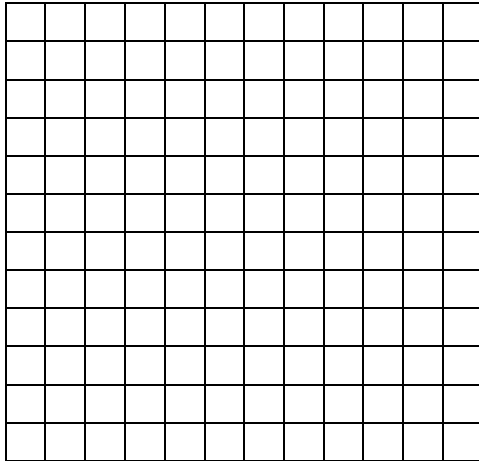
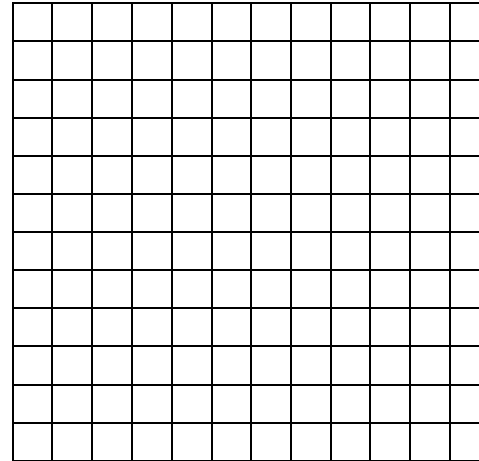


Name the vertex. Graph 4 functions on each coordinate plane.



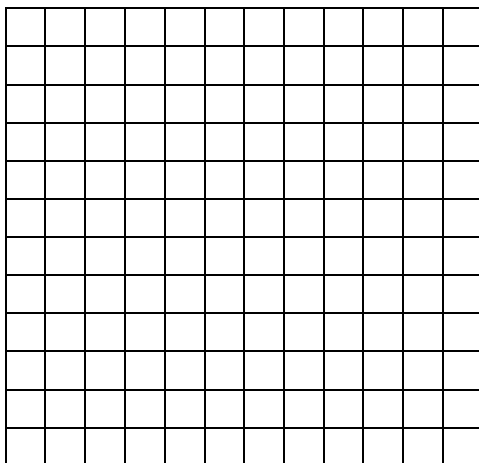
Vertex?

- _____ $f(x) = x^2$
- _____ $g(x) = x^2 + 2$
- _____ $h(x) = x^2 - 3$
- _____ $j(x) = -x^2$



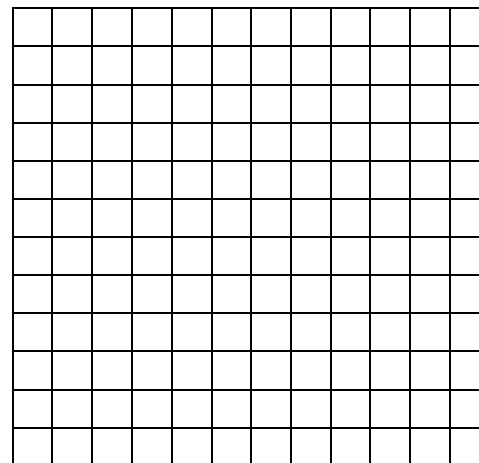
Vertex?

- _____ $f(x) = x^2$
- _____ $g(x) = (x - 4)^2$
- _____ $h(x) = (x + 2)^2$
- _____ $j(x) = -(x + 3)^2$



Vertex?

- _____ $f(x) = x^2$
- _____ $g(x) = (x - 1)^2 + 2$
- _____ $h(x) = (x + 3)^2 - 3$
- _____ $j(x) = -(x - 4)^2 + 1$



Vertex?

- _____ $f(x) = x^2$
- _____ $g(x) = 3x^2$
- _____ $h(x) = \frac{1}{4}x^2 + 2$
- _____ $j(x) = -5x^2 + 2$