

## Graphing a Parabola/Line from Vertex Form Worksheet

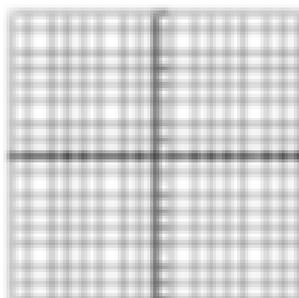
Graph each function.

1.  $y = (x + 2)^2 + 1$

Vertex  $(h, k)$  \_\_\_\_\_

x-intercepts \_\_\_\_\_

y-intercept \_\_\_\_\_

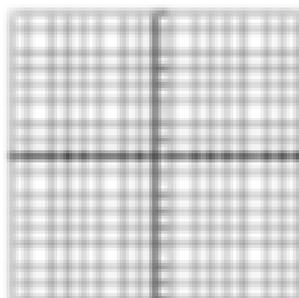


2.  $y = (x - 3)^2 + 4$

Vertex  $(h, k)$  \_\_\_\_\_

x-intercepts \_\_\_\_\_

y-intercept \_\_\_\_\_

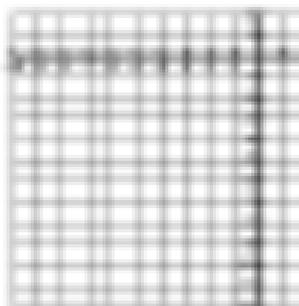


3.  $y = (x - 2)^2 - 4$

Vertex  $(h, k)$  \_\_\_\_\_

x-intercepts \_\_\_\_\_

y-intercept \_\_\_\_\_



4.  $y = (x + 1)^2 - 1$

Vertex  $(h, k)$  \_\_\_\_\_

x-intercepts \_\_\_\_\_

y-intercept \_\_\_\_\_

