

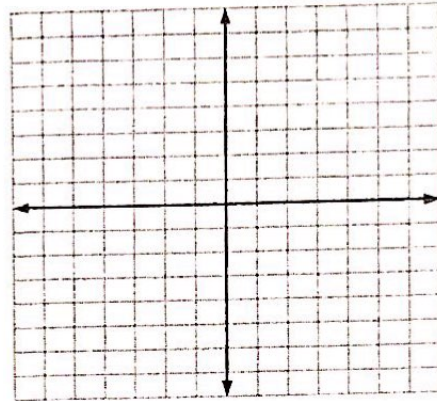
For each of the following, find the vertex, focus, directrix, and axis of symmetry. Also graph each parabola. Show the directrix on your graph.

1.  $(x-2)^2 = 8(y+1)$

Vertex: \_\_\_\_\_ Focus: \_\_\_\_\_

Directrix: \_\_\_\_\_

AOS: \_\_\_\_\_

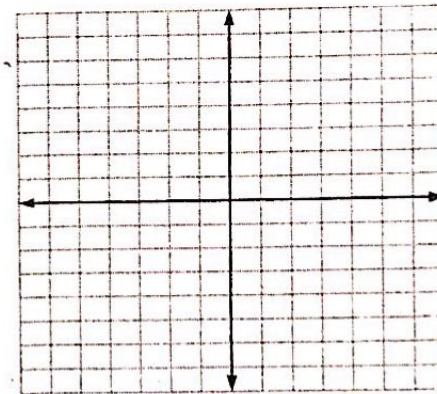


2.  $(y-2)^2 = -4x$

Vertex: \_\_\_\_\_ Focus: \_\_\_\_\_

Directrix: \_\_\_\_\_

AOS: \_\_\_\_\_

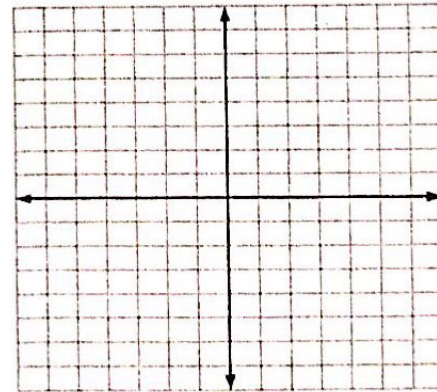


3.  $(x-1)^2 = 12(y-1)$

Vertex: \_\_\_\_\_ Focus: \_\_\_\_\_

Directrix: \_\_\_\_\_

AOS: \_\_\_\_\_

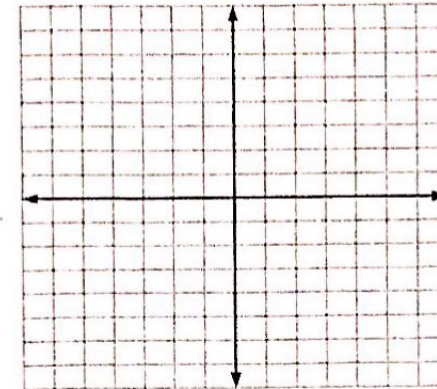


4.  $(x+4)^2 = -6(y-2)$

Vertex: \_\_\_\_\_ Focus: \_\_\_\_\_

Directrix: \_\_\_\_\_

AOS: \_\_\_\_\_

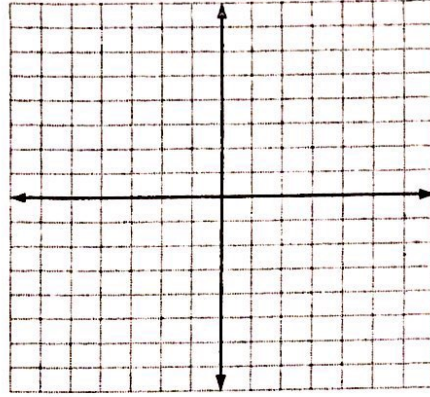


5.  $y^2 = -10(x+2)$

Vertex: \_\_\_\_\_ Focus: \_\_\_\_\_

Directrix: \_\_\_\_\_

A O S: \_\_\_\_\_



6.  $(y-4)^2 = 8(x-1)$

Vertex: \_\_\_\_\_ Focus: \_\_\_\_\_

Directrix: \_\_\_\_\_

A O S: \_\_\_\_\_

