California Standards 2.0, 16.0, 24.0





PRACTICE AND PROBLEM SOLVING

Use the distance formula to find the equation of a parabola with the given focus and directrix.

- **14.** F(0, 3), v = -5
- **15.** F(-2, 0), x = 8
- **16.** F(7, 0), x = -1

Write the equation in standard form for each parabola.



Find the vertex, value of p, axis of symmetry, focus, and directrix of each parabola, and then graph.

23. $x = 2y^2 + 1$ **22.** $y = \frac{1}{8}(x-1)^2$ **24.** $x-2=\frac{1}{2}(y+1)^2$

Independent Practice For See Exercises Example 14-16 1 17-21 2 22-24 3 4 25

