

Name \_\_\_\_\_

Date \_\_\_\_\_

## Finding the Equation of a Parabola- Independent Practice Worksheet

Find the equation of parabola described in each problem.

Complete all the problems.

1. If the focus of a parabola is  $(-0.3, 1.6)$  and the directrix is  $y=1.5$ .
2. If the focus of a parabola is  $(0.5, 3)$  and the directrix is  $y=2.5$ .
3. If the focus of a parabola is  $(-1, 2)$  and the directrix is  $y=-5$ .
4. If the focus of a parabola is  $(1, 2)$  and the directrix is  $y=1$ .
5. If the focus of a parabola is  $(-0.25, 1)$  and the directrix is  $y=1.25$ .
6. If the focus of a parabola is  $(-0.5, 9)$  and the directrix is  $y=9.5$ .
7. If the focus of a parabola is  $(-1.25, 10)$  and the directrix is  $y=10.25$ .
8. If the focus of a parabola is  $(10, -28)$  and the directrix is  $y=-30$ .
9. If the focus of a parabola is  $(2, 0.25)$  and the directrix is  $y=-1.75$ .
10. If the focus of a parabola is  $(0.8, 0.5)$  and the directrix is  $y=0.3$ .

