



Name: _____

Date: _____

Find the focus and directrix of each parabola.*Solve for x. Show your work.*

1. $y = \frac{1}{4p} x^2, p = 3$

2. $y = \frac{1}{4p} x^2, p = 6$

3. $y = \frac{1}{4p} x^2, p = 6$

4. $y = \frac{1}{4p} x^2, p = 2$

5. $y = \frac{1}{4p} x^2, p = 6$

6. $y = \frac{1}{4p} x^2, p = 3$

7. $y = \frac{1}{4p} x^2, p = 6$

8. $y = \frac{1}{4p} x^2, p = 5$



Find the focus and directrix of each parabola. – Answer Key

1. $y = \frac{1}{4p} x^2, p = 3$
 $(0, 3)$

2. $y = \frac{1}{4p} x^2, p = 6$
 $(0, 6)$

3. $y = \frac{1}{4p} x^2, p = 6$
 $(0, 6)$

4. $y = \frac{1}{4p} x^2, p = 2$
 $(0, 2)$

5. $y = \frac{1}{4p} x^2, p = 6$
 $(0, 6)$

6. $y = \frac{1}{4p} x^2, p = 3$
 $(0, 3)$

7. $y = \frac{1}{4p} x^2, p = 6$
 $(0, 6)$

8. $y = \frac{1}{4p} x^2, p = 5$
 $(0, 5)$