

Name: \_\_\_\_\_

Date \_\_\_\_\_

Topic: *Parabola Find the Focus and Directrix - Worksheet 1*

*Find the Focus and Directrix*

1.  $5y = x^2$

2.  $-x = (1/40)y^2$

3.  $6y = (1/6)x^2$

4.  $y = (-1/25)x^2$

5.  $12x = (2/4)y^2$

6.  $(2/8)y^2 - 32 = 2x - 32$

7.  $7y = x^2$

8.  $3y - 12 = 3x^2 - 12$

9.  $12y + 17 = x^2 + 17$

10.  $y = 3x^2$



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Topic: *Parabola Find the Focus and Directrix - Worksheet 2*

*Find the Focus and Directrix*

1.  $6y = x^2$

2.  $-x = (1/15)y^2$

3.  $7y = (1/7)x^2$

4.  $y = (-1/20)x^2$

5.  $16x = (1/4)y^2$

6.  $(1/4)y^2 - 28 = 2x - 28$

7.  $9x = y^2$

8.  $8y - 15 = 3x^2 - 15$

9.  $15y + 23 = x^2 + 23$

10.  $y = 4x^2$



Name: \_\_\_\_\_

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Topic: *Parabola Find the Focus and Directrix - Worksheet 3*

*Find the Focus and Directrix*

1.  $9y = x^2$

2.  $-x = (1/14)y^2$

3.  $8y = (1/8)x^2$

4.  $y = (-1/15)x^2$

5.  $15x = (1/5)y^2$

6.  $(1/6)y^2 - 30 = 2x - 30$

7.  $3x = y^2$

8.  $89y - 25 = 3x^2 - 25$

9.  $14y + 18 = x^2 + 18$

10.  $y = 9x^2$



Name: \_\_\_\_\_

Date \_\_\_\_\_

Topic: *Parabola Find the Focus and Directrix - Worksheet 4*

*Find the Focus and Directrix*

1.  $4y = x^2$

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

3.  $6y = (1/6)x^2$

4.  $y = (-1/16)x^2$

5.  $8x = (1/9)y^2$

6.  $(1/3)y^2 - 28 = 2x - 28$

7.  $8x = y^2$

8.  $20y - 49 = 5x^2 - 49$

9.  $12y + 20 = x^2 + 20$

10.  $y^2 = 12x$



Name: \_\_\_\_\_

Date \_\_\_\_\_

Topic: *Parabola Find the Focus and Directrix - Worksheet 5*

*Find the Focus and Directrix*

1.  $2y = x^2$

2.  $x = (1/3)y^2$

3.  $2y = (1/3)x^2$

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

5.  $6x = (1/4)y^2$

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

7.  $10x = y^2$

8.  $15y - 11 = 5x^2 - 11$

9.  $8y + 17 = x^2 + 17$

10.  $y = 16x^2$

