

Name: _____

Date _____

Topic : **Parabolas:**

Write the equation of the parabola in standard form - Worksheet 1

Write the equation of parabola in standard form:

1. $3y + 9 = (1/10)x^2 + 9$

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

3. $5y = (1/8)x^2$

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

5. $15x = (10/5)y^2$

6. $(6/2)y^2 - 14 = 7x - 14$

7. $-98x = y^2$

8. $-3y - 20 = (1/7)x^2 - 20$

9. $-17y + 32 = x^2 + 32$

10. $y = (1/140)x^2$



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Topic: **Parabolas:**

Write the equation of the parabola in standard form - Worksheet 2

Write the equation of parabola in standard form:

1. $5y + 10 = (1/8)x^2 + 10$

2. $-x = (1/45)y^2$

3. $4y = (1/3)x^2$

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

5. $14x = (8/4)y^2$

6. $(7/3)y^2 - 18 = 8x - 18$

7. $-78x = y^2$

8. $-4y - 40 = (1/9)x^2 - 40$

9. $-19y + 30 = x^2 + 30$

10. $y = (1/120)x^2$



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Topic: **Parabolas:**

Write the equation of the parabola in standard form - Worksheet 3

Write the equation of parabola in standard form:

1. $7y + 20 = (1/9)x^2 + 20$ 2. $-x = (1/21)y^2$

3. $4y = (1/12)x^2$ 4. $y = (-1/35)x^2$

5. $12x = (9/4)y^2$ 6. $(5/3)y^2 - 18 = 8x - 18$

7. $-65x = y^2$ 8. $-4y - 40 = (1/9)x^2 - 40$

9. $-12y + 18 = x^2 + 18$ 10. $y = (1/84)x^2$



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Topic: **Parabolas:**

Write the equation of the parabola in standard form - Worksheet 4

Write the equation of parabola in standard form:

1. $4y + 10 = (1/14)x^2 + 10$ 2. $-x = (1/47)y^2$

3. $3y = (1/9)x^2$ 4. $y = (-1/74)x^2$

5. $8x = (2/4)y^2$ 6. $(15/3)y^2 - 23 = 8x - 23$

7. $-84x = y^2$ 8. $4y - 35 = (1/9)x^2 - 35$

9. $20y + 40 = x^2 + 40$ 10. $y = (1/81)x^2$



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Topic: **Parabolas:**

Write the equation of the parabola in standard form - Worksheet 5

Write the equation of parabola in standard form:

1. $6y + 14 = (1/6)x^2 + 14$ 2. $-x = (1/17)y^2$

3. $4y = (1/7)x^2$ 4. $y = (-1/16)x^2$

5. $12x = (6/8)y^2$ 6. $(10/4)y^2 - 25 = 2x - 25$

7. $-46x = y^2$ 8. $-5y - 17 = (1/6)x^2 - 17$

9. $-13y + 38 = x^2 + 38$ 10. $y = (1/94)x^2$

