

Name: _____

Date _____

Topic : Classifying a Conic Section (in standard form) - Worksheet 1

Classify:

1. $(x - 2)^2/36 - y^2/81 = 1$

2. $x^2/144 + y^2/169 = 1$

3. $x^2/9 - y^2/16 = 1$

4. $y = (-1/100)x^2$

5. $y = (-1/81)x^2$

6. $x^2 + y^2 = 36/25$

7. $x^2/49 + y^2/64 = 1$

8. $x^2/25 + y^2/36 = 1$

9. $(x+6)^2 + (y+7)^2 = 64/8$

10. $(x-1)^2/16 - (y+1)^2/9 = 1$



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Topic : Classifying a Conic Section (in standard form) - Worksheet 2

Classify:

1. $(x-2)^2/16 + y^2/25 = 1$

2. $x^2/36 - y^2/169 = 1$

3. $x^2/49 + y^2/16 = 1$

4. $y = (-1/64)x^2$

5. $y = (-1/64)x^2$

6. $x^2 + y^2 = 81/9$

7. $x^2/16 - y^2/25 = 1$

8. $x^2/36 - y^2/81 = 1$

9. $(x+5)^2 + (y+6)^2 = 81/9$

10. $(x-1)^2/25 + (y+1)^2/36 = 1$



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Topic : Classifying a Conic Section (in standard form) - Worksheet 3

Classify:

1. $(x-2)^2/121 - y^2/196 = 1$

2. $x^2/49 + y^2/64 = 1$

3. $x^2/36 - y^2/25 = 1$

4. $y = (-1/144)x^2$

5. $y = (-1/225)x^2$

6. $x^2 + y^2 = 256/16$

7. $x^2/169 + y^2/361 = 1$

8. $x^2/16 + y^2/25 = 1$

9. $(x+7)^2 - (y+8)^2 = 64/8$

10. $(x-1)^2/36 - (y+1)^2/49 = 1$



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Topic : Classifying a Conic Section (in standard form) - Worksheet 4

Classify:

1. $(x-2)^2/9 + y^2/16 = 1$

2. $x^2/25 + y^2/36 = 1$

3. $x^2/36 - y^2/49 = 1$

4. $y = (-1/121)x^2$

5. $y = (1/256)x^2$

6. $x^2 + y^2 = 324/144$

7. $x^2/16 - y^2/49 = 1$

8. $x^2/64 + y^2/81 = 1$

9. $(x+4)^2 - (y+5)^2 = 36/6$

10. $(x-1)^2/25 + (y+1)^2/36 = 1$



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Topic : Classifying a Conic Section (in standard form) - Worksheet 5

Classify:

1. $(x-2)^2/16 - y^2/25 = 1$

2. $x^2/4 + y^2/9 = 1$

3. $x^2/36 + y^2/49 = 1$

4. $y = (-1/196)x^2$

5. $y = (1/144)x^2$

6. $x^2 + y^2 = 196/121$

7. $x^2/25 - y^2/81 = 1$

8. $x^2/9 - y^2/64 = 1$

9. $(x+3)^2 + (y+7)^2 = 49/7$

10. $(x-1)^2/36 + (y+1)^2/49 = 1$

