

Name: _____

Date _____

Topic : Ellipses- Find the foci, vertices, and co-vertices of each ellipse –

Worksheet 1

Find the foci, vertices, and co-vertices of each ellipse

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

2. $x^2/100 + y^2/4 = 1$

3. $x^2/169 + y^2/81 = 1$

4. $x^2/225 + y^2/36 = 1$

5. $x^2/144 + y^2/16 = 1$

6. $x^2/196 + y^2/25 = 1$

7. $x^2/289 + y^2/81 = 1$

8. $x^2/324 + y^2/4 = 1$

9. $x^2/256 + y^2/169 = 1$

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



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Worksheet 2

Find the foci, vertices, and co-vertices of each ellipse

1. $x^2/36 + y^2/9 = 1$

2. $x^2/64 + y^2/16 = 1$

3. $x^2/324 + y^2/256 = 1$

4. $x^2/625 + y^2/100 = 1$

5. $x^2/225 + y^2/196 = 1$

6. $x^2/81 + y^2/49 = 1$

7. $x^2/361 + y^2/225 = 1$

8. $x^2/144 + y^2/49 = 1$

9. $x^2/169 + y^2/16 = 1$

10. $x^2/289 + y^2/25 = 1$



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Worksheet 3

Find the foci, vertices, and co-vertices of each ellipse

1. $x^2/144 + y^2/100 = 1$

2. $x^2/256 + y^2/225 = 1$

3. $x^2/36 + y^2/4 = 1$

4. $x^2/81 + y^2/25 = 1$

5. $x^2/100 + y^2/81 = 1$

6. $x^2/196 + y^2/49 = 1$

7. $x^2/625 + y^2/324 = 1$

8. $x^2/196 + y^2/144 = 1$

9. $x^2/324 + y^2/289 = 1$

10. $x^2/16 + y^2/4 = 1$



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Worksheet 4

Find the foci, vertices, and co-vertices of each ellipse

1. $x^2/361 + y^2/289 = 1$

2. $x^2/36 + y^2/4 = 1$

3. $x^2/256 + y^2/49 = 1$

4. $x^2/400 + y^2/64 = 1$

5. $x^2/121 + y^2/81 = 1$

6. $x^2/144 + y^2/25 = 1$

7. $x^2/289 + y^2/256 = 1$

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

9. $x^2/324 + y^2/81 = 1$

10. $x^2/289 + y^2/49 = 1$



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Worksheet 5

Find the foci, vertices, and co-vertices of each ellipse

1. $x^2/25 + y^2/9 = 1$

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

3. $x^2/225 + y^2/169 = 1$

4. $x^2/196 + y^2/121 = 1$

5. $x^2/289 + y^2/256 = 1$

6. $x^2/400 + y^2/100 = 1$

7. $x^2/144 + y^2/81 = 1$

8. $x^2/16 + y^2/9 = 1$

9. $x^2/361 + y^2/225 = 1$

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

