

Name: _____

Date _____

Topic : Hyperbolas - Find the foci and vertices of the hyperbola - Worksheet 1

Find the foci and vertices of the hyperbola:

1. $(x-4)^2/49 - (y-4)^2/1 = 1$

2. $(x-1)^2/25 - (y-3)^2/16 = 1$

3. $(x-2)^2/121 - (y-2)^2/169 = 1$

4. $(x-2)^2/4 - (y-2)^2/49 = 1$

5. $(x+1)^2/36 - (y-1)^2/4 = 1$

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

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

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

9. $(x-2)^2/169 - (y-3)^2/225 = 1$

10. $(x-1)^2/36 - (y-4)^2/64 = 1$



Name: _____

Date _____

Topic: Hyperbolas - Find the foci and vertices of the hyperbola - Worksheet 2

Find the foci and vertices of the hyperbola:

1. $(x+2)^2/16 - (y-4)^2/64 = 1$

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

3. $(x-3)^2/16 - (y-3)^2/144 = 1$

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

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

6. $(x-3)^2/9 - (y+2)^2/64 = 1$

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

8. $(x-1)^2/16 - (y+3)^2/121 = 1$

9. $(x-3)^2/9 - (y-1)^2/64 = 1$

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



Name: _____

Date _____

Topic: Hyperbolas - Find the foci and vertices of the hyperbola - Worksheet 3

Find the foci and vertices of the hyperbola:

1. $(x-3)^2/9 - (y+2)^2/64 = 1$

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

3. $(x-3)^2/25 - (y-4)^2/169 = 1$

4. $(x+1)^2/9 - (y-2)^2/25 = 1$

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

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

7. $(x+1)^2/100 - (y-1)^2/25 = 1$

8. $(x-1)^2/16 - (y-3)^2/144 = 1$

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

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



Name: _____

Date _____

Topic: Hyperbolas - Find the foci and vertices of the hyperbola - Worksheet 4

Find the foci and vertices of the hyperbola:

1. $(x-4)^2/9 - (y-2)^2/36 = 1$

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

3. $(x+1)^2/64 - (y-3)^2/144 = 1$

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

5. $(x-2)^2/4 - (y+1)^2/169 = 1$

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

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

8. $(x+1)^2/9 - (y+2)^2/256 = 1$

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

10. $(x-1)^2/81 - (y-2)^2/4 = 1$



Name: _____

Date _____

Topic: Hyperbolas - Find the foci and vertices of the hyperbola - Worksheet 5

Find the foci and vertices of the hyperbola:

1. $(x-4)^2/36 - (y-2)^2/64 = 1$

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

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

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

5. $(x+2)^2/81 - (y-1)^2/144 = 1$

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

7. $(x-1)^2/169 - (y-1)^2/16 = 1$

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

9. $(x-3)^2/9 - (y-2)^2/81 = 1$

10. $(x-1)^2/169 - (y-2)^2/144 = 1$

