**Extra Conics - Review Name**

1. Given 

a) Identify the type of conic.

b) Find the angle of rotation.

c) Find the *x* and *y* intercepts and make a sketch.

d) Solve for y and graph in your calculator to check.

2. Sketch and find eccentricity.

a) 

b) 

3. Given 

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 0 | π/2 | π | 3π/2 |
| r |  |  |  |  |

a) complete the table:

b) Make a sketch.

c) Find a, b, c, e

d) Write an equation in rectangular form.

e) Rotate the conic (in polar form) by π/3.