**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.