

Given the Following Conic Section Equations

**Part I - Identify:**

- Type of Conic Section
- Center Point or Turning Point
- Radius, X and Y Stretches, etc.

$$1) \frac{(x-3)^2}{36} + \frac{(y-1)^2}{36} = 1$$

$$2) \frac{(x+2)^2}{25} + \frac{(y+1)^2}{4} = 1$$

$$3) \frac{(x-4)^2}{36} - \frac{(y+2)^2}{9} = 1$$

**Part II – Write the Correct Conic Section Equation given the Following Information:**

- 4) Circle, Center (5, 1), radius of 9
- 5) Parabola, Opens Down, Skinny, Turning Point (-1,-3)