General Form: Fill in Blanks **Name: _____**

 Period:

Fill in the blanks in order to transform each equation from general form into standard form.

A)

$$9x^2 + 4y^2 + 36x - 24y + 36 = 0$$

1) $$9x^2 + 36x + 4y^2 - 24y =$$

2) $$9(x^2 + \quad x) + 4(y^2 - \quad y) = -36$$

3) $$9(x^2 + 4x + \quad) + 4(y^2 - \quad y + \quad) = -36 + \quad +$$

4) $$9(x + \quad)^2 + 4(y - \quad)^2 = 36$$

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

6) $$\frac{(x+2)^2}{\quad} + \frac{(y - \quad)^2}{\quad} = 1$$

B)

$$16x^2 - 9y^2 - 32x - 36y - 164 = 0$$

1) $$16x^2 - 32x - 9y^2 - 36y =$$

2) $$16(x^2 - \quad x) - 9(y^2 + \quad y) =$$

3) $$16(x^2 - \quad x + \quad) - 9(y^2 + \quad y + \quad) = 164 + \quad +$$

4) $$16(x - \quad)^2 - 9(y + \quad)^2 = 144$$

5) $$\frac{16(x-1)^2}{144} - \frac{9(y + \quad)^2}{\quad} = \frac{144}{\quad}$$

6) $$\frac{(x - \quad)^2}{\quad} - \frac{(y + \quad)^2}{16} = 1$$