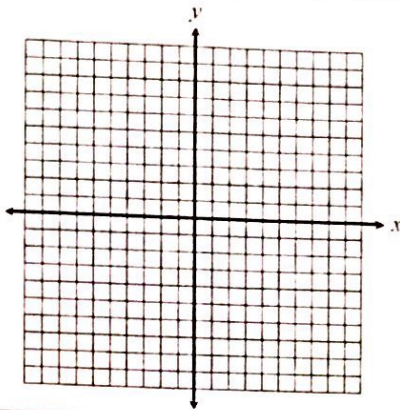


$$5. \frac{4y^2}{100} - \frac{25x^2}{100} = \frac{100}{100}$$

$$\frac{y^2}{25} - \frac{x^2}{4} = 1$$



Center: _____

Vertices: _____

Co-Vertices: _____

Foci: _____

Asymptotes: _____

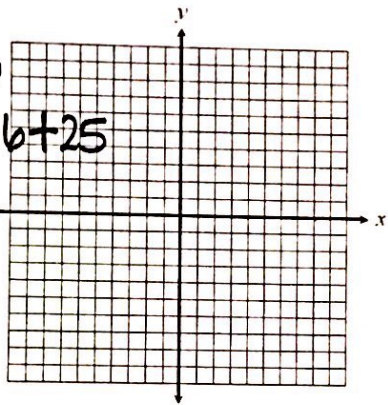
$$6. x^2 - 9y^2 + 10x = -16$$

$$x^2 + 10x - 9y^2 = -16$$

$$(x^2 + 10x + 25) - 9y^2 = -16 + 25$$

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

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



Center: _____

Vertices: _____

Co-Vertices: _____

Foci: _____

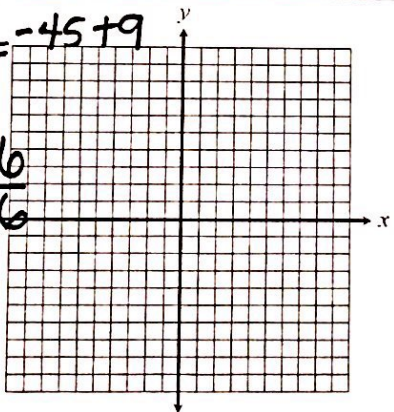
Asymptotes: _____

$$7. -36x^2 + y^2 - 6y = -45$$

$$-36x^2 + (y^2 - 6y + 9) = -45 + 9$$

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

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



Center: _____

Vertices: _____

Co-Vertices: _____

Foci: _____

Asymptotes: _____

$$8. -4x^2 + y^2 + 40x + 12y = 80$$

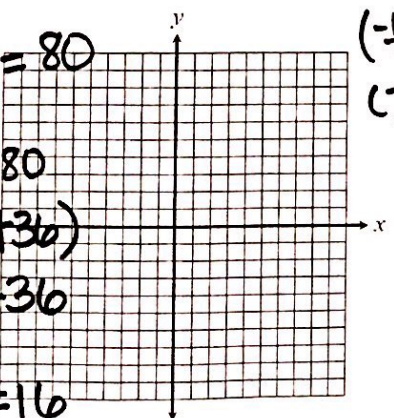
$$-4x^2 + 40x + y^2 + 12y = 80$$

$$-4(x^2 - 10x) + (y^2 + 12y) = 80$$

$$-4(x^2 - 10x + 25) + (y^2 + 12y + 36) = 80 - 100 + 36$$

$$-4(x-5)^2 + (y+6)^2 = 16$$

$$-\frac{(x-5)^2}{4} + \frac{(y+6)^2}{16} = 1$$



$$\frac{(y+6)^2}{16} - \frac{(x-5)^2}{4} = 1$$

Center: _____

Vertices: _____

Co-Vertices: _____

Foci: _____

Asymptotes: _____