

CONICS

On your own paper, graph the following equations; state the coordinates of the focus/foci when applicable:

1. $25x^2 + 9y^2 + 50x - 36y - 164 = 0$

2. $y = -4x^2 + 20x - 16$

3. $x^2 + y^2 - 6x - 4y - 12 = 0$

4. $x^2 - y^2 - 14x - 8y + 37 = 0$

5. $4x^2 + 36y^2 + 48x + 216y + 324 = 0$

6. $4x^2 - 9y^2 + 16x + 108y - 344 = 0$

7. $x^2 + y^2 + 16x + 10y - 11 = 0$

8. $x = 2y^2 + 12y + 10$