

Hwk Classifying Conics

Date _____ Period _____

Classify each conic section.

1) $(x + 4)^2 + (y - 4)^2 = 1$

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

3) $x = -2(y + 6)^2 - 2$

4) $\frac{x^2}{25} - \frac{(y + 2)^2}{9} = 1$

Classify each conic section. Please provide work on how you reached your answer.

5) $4x^2 + 5y^2 - 10y - 95 = 0$

6) $x^2 + y^2 - 6x = 0$

7) $4x^2 - 25y^2 + 50y - 125 = 0$

8) $-x^2 - 8x + y - 16 = 0$