

Name : _____ Score : _____

Teacher : _____ Date : _____

Properties of Ellipses

Identify the Center, Vertices, Co-Vertices, Foci, Major Axis Length, Minor Axis Length, and Eccentricity.

1) $\frac{(x - 3)^2}{9} + \frac{(y - 1)^2}{100} = 1$

Center =

Vertices =

Co-vertices =

Major Axis Length =

Minor Axis Length =

Foci =

Eccentricity =

3) $\frac{(x - 3)^2}{1} + \frac{(y - 1)^2}{144} = 1$

Center =

Vertices =

Co-vertices =

Major Axis Length =

Minor Axis Length =

Foci =

Eccentricity =

2) $\frac{x^2}{1} + \frac{(y + 4)^2}{100} = 1$

Center =

Vertices =

Co-vertices =

Major Axis Length =

Minor Axis Length =

Foci =

Eccentricity =

4) $\frac{(x + 3)^2}{49} + \frac{(y - 1)^2}{9} = 1$

Center =

Vertices =

Co-vertices =

Major Axis Length =

Minor Axis Length =

Foci =

Eccentricity =

