في القطع الناقص اكتب x أولاً
عناصر القطع اكتب اليسار أولاً
ثم اليمين ، الأسفل أولاً ثم الأعلى

تدريبات (وحدة القطوع)
من منصة أليكس

The equation of a circle is given below. Identify the radius and the center. Then graph the circle.

$$x^2+y^2-6x-2y+1=0$$

Radius:

Center:

Give the equation of the circle centered at the origin and passing through the point $(0, -12)$.

$$x^2+y^2=$$

Give the equation of the circle centered at the origin and passing through the point $(4, 0)$.

$$x^2+y^2=$$

Find an equation of the ellipse that has center $(5, -5)$, a major axis of length 10, and endpoint of minor axis $(5, -6)$.

$$\frac{(\quad)^2}{\quad}+\frac{(\quad)^2}{\quad}=1$$

Find an equation of the parabola with vertex $(-3, 1)$ and directrix $x=-1$.

$$(\quad)^2=-8(\quad)$$

Find an equation of the ellipse that has center $(3, 4)$, a minor axis of length 2, and a vertex at $(0, 4)$.

$$\frac{(\quad)^2}{\quad}+\frac{(\quad)^2}{\quad}=1$$

Find an equation of the ellipse that has center $(3, 0)$, a major axis of length 12, and endpoint of minor axis $(3, 1)$.

$$\frac{(\quad)^2}{\quad} + \frac{(\quad)^2}{\quad} = 1$$

Find the center, vertices, and foci of the ellipse. Simplify your answers as much as possible.

$$\frac{(x+1)^2}{25} + \frac{(y+5)^2}{16} = 1$$

Center: ( )

Foci: ( ) and ( )

Vertices: ( ) and ( )

Find the center, vertices, and foci of the ellipse. Simplify your answers as much as possible.

$$\frac{(x-6)^2}{36} + \frac{(y+3)^2}{100} = 1$$

Center: ( )

Foci: ( ) and ( )

Vertices: ( ) and ( )