

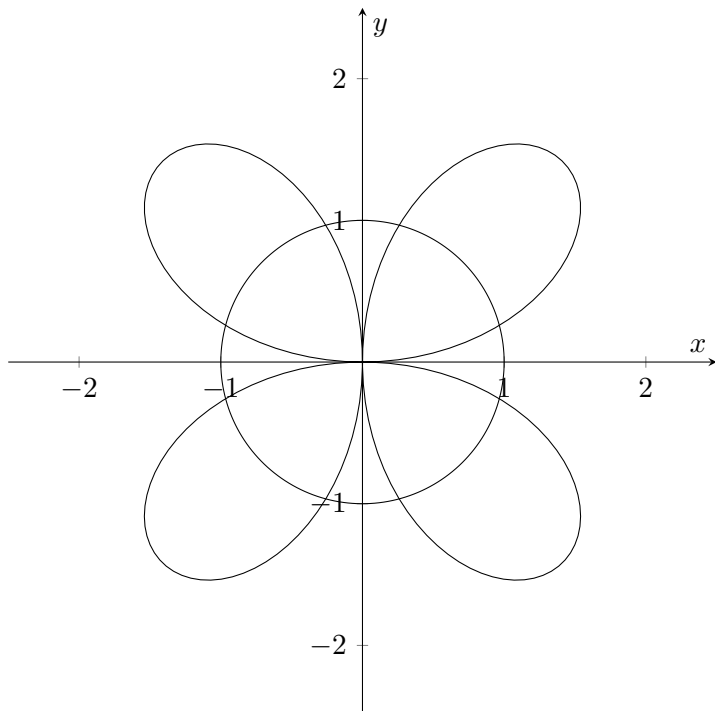
Name: _____

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1. Find all points of intersection of the polar curves

$$r = 2 \sin 2\theta,$$

$$r = 1.$$



2. Consider the parabola with equation $y^2 + 10x = 0$.

The textbook contains the equation $x^2 = 4py$, which you may use or not use.

(a) Find the focus and directrix of the parabola.

(b) Draw the parabola, focus, and directrix.

