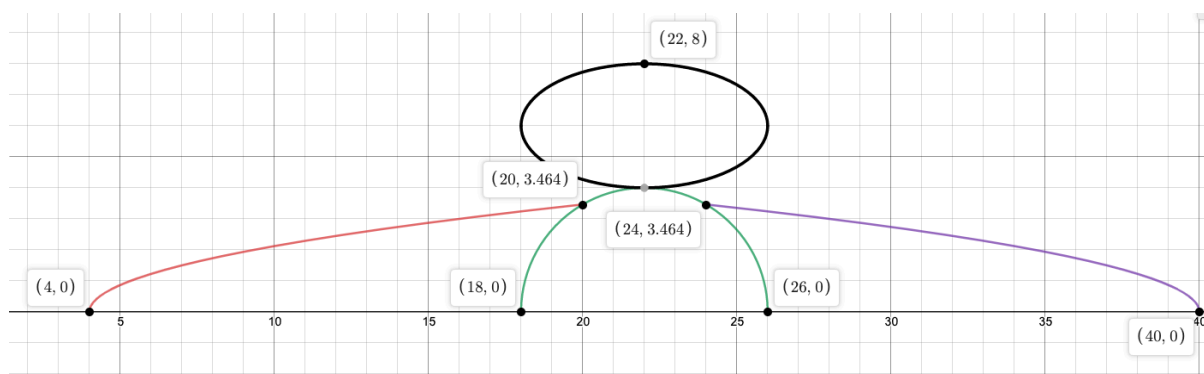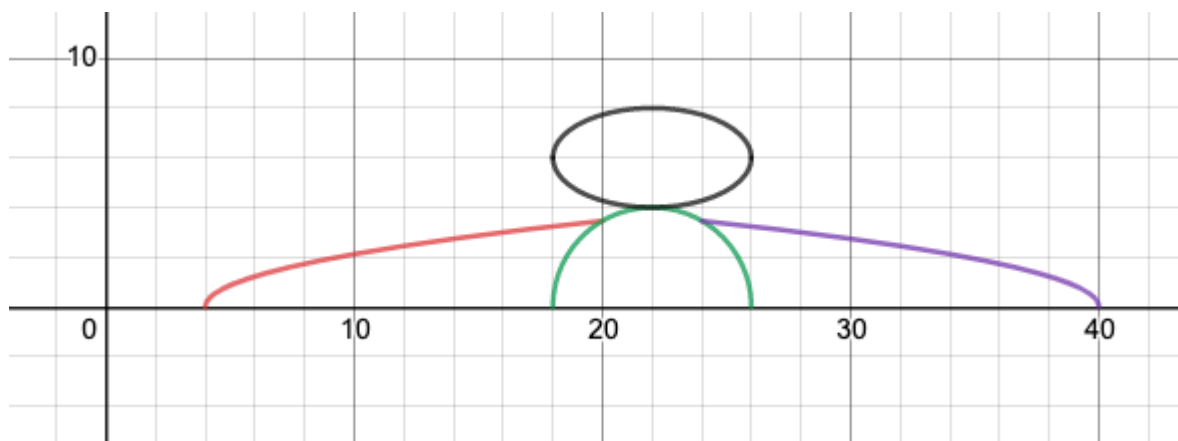# Conics Practice 1

Find models for the 4 conic sections pictured below (two parabolas, a circle and ellipse).
For each model, list any appropriate features. Ensure you include the domain and range.

**1**

$y^2 = \frac{3}{4}(x - 4) \; \{4 \leq x \leq 20\} \{0 \leq y \leq 4\}$

**2**

$(x - 22)^2 + y^2 = 16 \; \{0 \leq y \leq 4\}$

**3**

$-y^2 = \frac{3}{4}(x - 40) \; \{24 \leq x \leq 40\} \{0 \leq y \,$

**4**

$\dfrac{(x - 22)^2}{16} + \dfrac{(y - 6)^2}{4} = 1$

**5**