

NAME: _____

Find all the x-intercepts and y-intercepts of $y = 9 - x^2$

$$\begin{aligned} \text{y-intercept} &: \text{ set } x=0 \\ & y=9 \\ & (0, 9) \end{aligned}$$

$$\begin{aligned} \text{x-intercepts} &: \text{ set } y=0 \\ & 0 = 9 - x^2 \\ & x^2 = 9 \\ & x = \pm 3 \\ & (-3, 0) \text{ and } (3, 0) \end{aligned}$$