

Section P.1 Graphs and Models

Ex.1 Find any intercepts: $y = \frac{2 - \sqrt{x}}{5x + 1}$

Ex.2 Test for symmetry with respect to each axis and the origin: $y = \frac{x^2}{x^2 + 1}$

Ex.3 Find the points of intersection:
$$\begin{cases} 3x - 2y = -4 \\ 4x + 2y = -10 \end{cases}$$

Ex.4 Find the points of intersection: $\begin{cases} x^2 + y^2 = 25 \\ -3x + y = 15 \end{cases}$