

Equation of a Line

- 1) A line cuts the y-axis at $y = 4$ and passes through the point $(8, -2)$. Find the equation of the line.

- 2) Find the equation of the line passing through the point $(7, 5)$ and perpendicular to the line joining points $(-3, 1)$ and $(9, 4)$.

- 3) The x and y intercepts of a line are 3 and -6 . Find the equation of the line.

- 4) Find the equation of the line that has slope $\frac{1}{2}$ and passes through the point $(-4, 7)$.

- 5) Find the equation of the line passing through the point $(-1, -5)$ and parallel to the line $y = -6x + 5$.
