

Equation of a Line

- 1) The slope of a line is 5 and is parallel to the line that passes through the point $(-4, -2)$. Find the equation of the line.

- 2) Find the equation of the line passing through the points $(5, -3)$ and $(8, -1)$.

- 3) Find the equation of the line that cuts the y -axis at $y = -10$ and whose slope is 6.

- 4) Find the equation of the line that is perpendicular to the line $x + y + 2 = 0$ and passes through the point $(3, -5)$.

- 5) The x -intercept and the y -intercept of a line is -6 and 7 . Find the equation of the line.
