

WORK SHEET - 6 (for 14/9/2020 to 19/9/2020)

class - X

A-6

MATHS.

Pg-1

- The co-ordinates of two points P and Q are (2, 6) and (-3, 5) respectively. Find :
 - the gradient of PQ
 - the equation of PQ
 - the co-ordinates of the point where PQ intersects the x-axis.
- Find the equation of the straight line passing through origin and the point of intersection of the lines $x + 2y = 7$ and $x - y = 4$.
- Find the equation of the line whose :
x-intercept = 5 and y-intercept = 3.
- Find the slope of the line which is parallel to $x + 2y + 3 = 0$.
- Find the slope of the line which is perpendicular to $\frac{x}{3} - 2y = 4$.
- The lines represented by $4x + 3y = 9$ and $\beta x - 6y + 3 = 0$ are parallel. Find the value of β .
- Find the equation of a line passing through points (-3, 1) and (1, 5).