Name : _____ Score : _____

Equation of a Line

Slope Intercept: L1S1

Part - A

Write the equation of the line whose slope and the point through which it passes are given. Express the equation in slope-intercept form.

1) (5, 8) and slope m = 7

2) (1, –6) and slope m = –2

3) (–1, 3) and slope m = $\frac{1}{5}$

4) (–7, –9) and slope m = 8

5) (4, –2) and slope m = –1

6) (5, 3) and slope m = 3

7) (–9, –1) and slope m = 6

8) (–3, 4) and slope m = $-\frac{2}{3}$

Part - B

1) Find the equation of the line that cuts the y-axis at y = –9 and whose slope is $\frac{1}{7}$.

_____

2) Find the equation of the line u that passes through the point (–2, 8) and whose slope is 1.

_____