Name : _____ Score : _____

Equation of a Line

L1S2

Part - A

Find the equation of the line passing through the given points. Express the equation in standard form.

1) (8, –1) and (–5, 6)

2) (4, 2) and (4, 3)

3) (–1, 0) and (–6, 9)

4) (–5, –8) and (–9, –6)

5) (4, 2) and (1, –7)

7) (–4, 3) and (5, 2)

1) A line cuts the x-axis at x = 6 and passes through the point (–7, 1). Find the equation of the line.

_____

2) Find the equation of the line passing through the points (–1, –5) and (5, 6).

_____

Name : _____ **Answer key** Score : _____

Equation of a Line

L1S2

Part - A

Find the equation of the line passing through the given points. Express the equation in standard form.

1) (8, –1) and (–5, 6)

7x + 13y = 43

2) (4, 2) and (4, 3)

x = 4

3) (–1, 0) and (–6, 9)

9x + 5y = –9

4) (–5, –8) and (–9, –6)

5) (4, 2) and (1, –7)

3x – y = 10

7) (–4, 3) and (5, 2)

x + 9y = 23

1) A line cuts the x-axis at x = 6 and passes through the point (–7, 1). Find the equation of the line.

x + 13y = 6

2) Find the equation of the line passing through the points (–1, –5) and (5, 6).

11x – 6y = 19