

BAB 9: GARIS LURUS

(9.1.5 Menentukan persamaan suatu garis lurus)

1. Tulis persamaan garis lurus yang melalui titik dan mempunyai kecerunan seperti yang diberikan.

(a) $(-1, 8)$; *Kecerunan* = -3

$$y = mx + c$$

$$\square = \square (\square) + c$$

$$c = 8 - 3$$

$$c = \square$$

$$\text{Persamaan, } y = -3x + 5$$

8

-1

-3

5

(b) $(1, 2)$; *Kecerunan* = 3

$$y = mx + c$$

$$\square = \square (\square) + c$$

$$c = 2 - 3$$

$$c = \square$$

$$\text{Persamaan, } y = 3x - 1$$

1

2

-1

3

(c) $(-2, 3)$; *Kecerunan* = 5

$$y = mx + c$$

$$\square = \square (\square) + c$$

$$c = 3 + 10$$

$$c = \square$$

$$\text{Persamaan, } y = 5x + 13$$

3

-2

13

5

(d) $(-1, -3)$; *Kecerunan* = 3

$$y = mx + c$$

$$\square = \square (\square) + c$$

$$c = -3 + 3$$

$$c = \square$$

$$\text{Persamaan, } y = 3x$$

-3

-1

0

3

(e) $(5, 7)$; *Kecerunan* = 1

$$y = mx + c$$

$$\square = \square (\square) + c$$

$$c = 7 - 5$$

$$c = \square$$

$$\text{Persamaan, } y = x + 2$$

1

2

5

7

(f) $(1, -7)$; *Kecerunan* = -10

$$y = mx + c$$

$$\square = \square (\square) + c$$

$$c = -7 - 10$$

$$c = \square$$

$$\text{Persamaan, } y = -10x - 17$$

-10

-7

1

3

(g) $(3, -5)$; *Kecerunan* = $-\frac{4}{3}$

$$y = mx + c$$

$$\square = \square (\square) + c$$

$$c = -5 + 4$$

$$c = \square$$

$$\text{Persamaan, } y = -\frac{4}{3}x - 1$$

-5

-4/3

-1

3

(h) $(-7, -2)$; *Kecerunan* = $\frac{5}{7}$

$$y = mx + c$$

$$\square = \square (\square) + c$$

$$c = -2 - 5$$

$$c = \square$$

$$\text{Persamaan, } y = -\frac{5}{7}x - 7$$

-7

-2

5/7

3