

1.) A)  $(-5, 5)$  &  $(1, 2)$

$$m = y_2 - y_1 = 2 - 5 = -3 \leq 0,5$$

$$x_2 - x_1 = 1 - (-5) = 6$$

x	$\Delta x$	$x''$	y	$\Delta y$	$y''$	x	y
-5	-	-5	5	-	5	-5	5
-5	1	-4	5	-0,5	4,5	-4	4,5
-4	1	-3	4,5	-0,5	4	-3	4
-3	1	-2	4	-0,5	3,5	-2	4
-2	1	-1	3	-0,5	2,5	-1	3
-1	1	0	2,5	-0,5	2	0	2

B.)  $(4, 3)$  &  $(8, -2)$

$$m = y_2 - y_1 = -2 - 3 = -5 = -1,25$$

$$x_2 - x_1 = 8 - 4 = 4$$

x	$\Delta x$	$x''$	y	$\Delta y$	$y''$	x	y
4	-	4	3	-	3	4	3
4	1	5	3	-1,25	1,75	5	2
5	1	6	1,75	-1,25	0,5	6	1
6	1	7	0,5	-1,25	-0,75	7	1
7	1	8	-0,75	-1,25	-2	8	-2

C.)  $(2, 3)$  &  $(5, 3) \rightarrow m = y_2 - y_1 = 3 - 3 = 0$   
 $x_2 - x_1 = 5 - 2 = 3$

x	$\Delta x$	$x''$	y	$\Delta y$	$y''$	x	y
2	-	2	3	-	3	2	3
2	1	3	3	0	3	3	3
3	1	4	3	0	3	4	3
4	1	5	3	0	3	5	3



0.)  $(2,3) \& (2,1)$

$$m = y_2 - y_1 = 5 - 3 - 2 = 0$$

$$x_2 - x_1 = 2 - 2 = 0$$

$\therefore$  titik ditentukan  
titik koordinat

2.)  $(6,4) \& (2,1)$

$$m = y_2 - y_1 = 1 - 4 = -3 = 0,75$$

$$x_2 - x_1 = 2 - 6 = -4$$

x	$\Delta x$	$x''$	y	$\Delta y$	$y''$	x	y
6	-	6	4	0,75	4	6	4
6	1	7	4	0,75	4,75	7	5
7	1	8	4,75	0,75	5,5	8	6
8	1	9	5	0,75	6,25	9	6
9	1	10	6,25	0,75	7	10	7
10	1	11	7	0,75	7,75	11	8
11	1	12	7,75	0,75	8,5	12	9
12	1	13	8,5	0,75	9,25	13	9

$\therefore$  titik ditentukan titik koordinat karena semakin  
besar penjumlahannya



Sol no 2

$$2.2) \Delta x = x_1 - x_0 = -1 - (-3) = 2$$

$$\Delta y = y_1 - y_0 = 3 - 3 = 0$$

$$|\Delta y| > |\Delta x|, \Delta y = 2$$

$$x = 2/2 = 1 \quad y = 0/1 = 0$$

10x1 lebih banyak  
22 digitasi adalah

$$x - inc = 2/2 = 1$$

$$y - inc = 0/2 = 0$$

x	y	found(x), (y) (-3, 3)
-2	2	(-2, 3)
-1	3	(-1, 3)

$$b.) \Delta x = x_1 - x_0 = -4 - 7 = -11$$

$$\Delta y = y_1 - y_0 = -6 - (-1) = -5$$

$$|\Delta y| > |\Delta x|, |\Delta x| = 11$$

$$x = -4/11 = -1$$

$$y = -5/11 = -0.45$$

x	y	found(x), (y) (7, 1)
6	-1.75	(6, -1)
5	-1.9	(5, -2)
4	-2.3	(4, -2)
3	-2.8	(3, -3)
2	-3.2	(2, 3)
1	-3.7	(1, -4)
0	-4.1	(0, -4)
-1	-4.6	(-1, -5)
-2	-5.05	(-2, -5)
-3	-5.5	(-3, -6)
-4	-5.95	(-4, -6)

$$c.) \Delta x = x_1 - x_0 = -1 - (-3) = 2$$

$$\Delta y = y_1 - y_0 = -3 - 3 = -6$$

$$|\Delta y| > |\Delta x|, |\Delta y| = 6$$

$$x = 2/6 = 0.3$$

$$y = -6/6 = -1$$

x	y	found(x), (y) (-3, 1)
-2.7	2	(-3, 2)
-2.7	1	(-2, 1)
-2.1	0	(-2, 0)
-1.8	-1	(-2, -1)
-1.5	-2	(-2, -2)
-1.2	-3	(-1, -2)