

Date \_\_\_\_\_

## Exers DDA

a)  $(-5, 5)$  dan  $(1, 2)$

$$\Delta x = 1 - (-5) = 6$$

$$\Delta y = 2 - 5 = -3$$

$$|\Delta x| = 6 \quad |\Delta y| = 3 \therefore \text{step} = \Delta x = 6$$

$$x_{\text{inc}} = 6/6 = 1$$

$$y_{\text{inc}} = -3/6 = -0,5$$

k	x	y	round x, y
			$(-5, 5)$
0	-4	4,5	$(-4, 5)$
1	-3	4	$(-3, 4)$
2	-2	3,5	$(-2, 4)$
3	-1	3	$(-1, 3)$
4	0	2,5	$(0, 3)$
5	1	2	$(1, 2)$

b) (4,3) den (8,-2)

$$\Delta x = 8 - 4 = 4$$

$$\Delta y = -2 - 3 = -5$$

$$|\Delta x| = 4 \quad |\Delta y| = 5 \therefore \text{step} = |\Delta y| = 5$$

$$x\_inc = 4/5 = 0,8$$

$$y\_inc = -5/5 = -1$$

k	x	y	round x,y
			(4,3)
0	4,8	2	(5,2)
1	5,6	1	(6,1)
2	6,4	0	(6,0)
3	7,2	-1	(7,-1)
4	8	-2	(8,-2)

c) (2,3) den (5,3)

$$\Delta x = 5 - 2 = 3$$

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

$$|\Delta x| = 3 \quad |\Delta y| = 0 \therefore \text{step} = |\Delta x| = 3$$

$$x\_inc = 3/3 = 1$$

$$y\_inc = 0/3 = 0$$

k	x	y	round x,y
			(2,3)
0	3	3	(3,3)
1	4	3	(4,3)
2	5	3	(5,3)

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D) (2,3) den (2,5)

$$\Delta x = 2 - 2 = 0$$

$$\Delta y = 5 - 3 = 2 \therefore \text{step } |\Delta y| = 2$$

$$x\text{-inc} = 0/2 = 0$$

$$y\text{-inc} = 2/2 = 1$$

k	x	y	round x, y
			(2,3)
0	2	4	(2,4)
1	2	5	(2,5)

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e) (6,4) den (2,1)

$$\Delta x = 2 - 6 = -4$$

$$\Delta y = 1 - 4 = -3$$

$$|\Delta x| = 4 \quad |\Delta y| = 3 \therefore \text{step} = |\Delta x| = 4$$

$$x\text{-inc} = -4/4 = -1$$

$$y\text{-inc} = -3/4 = -0.75$$

k	x	y	round x, y
			(6,4)
0	5	3.25	(5,3)
1	4	2.5	(4,3)
2	3	1.75	(3,2)
3	2	1	(2,1)