Answers to booklet 3
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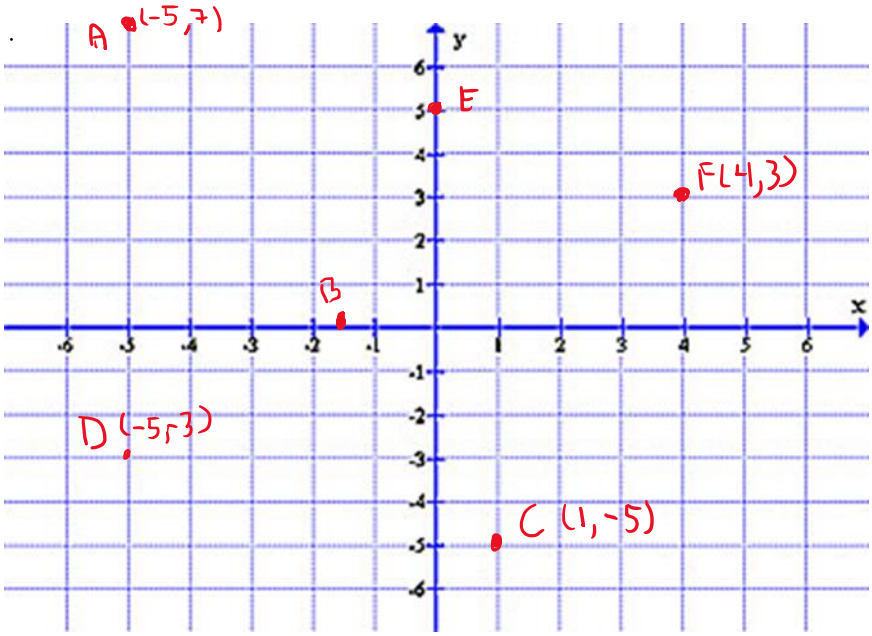
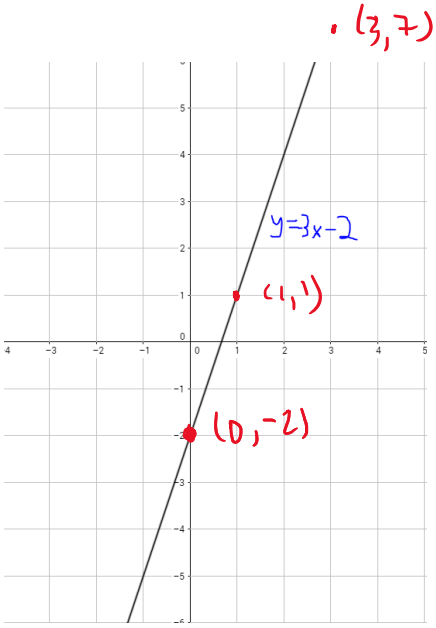
Cartesian Coordinates

page 2: 1 A(0,4) B(-3,2) C(2,-3) D(4,0) 2. See chart below



pg. 3 #1Various options for ordered pairs.

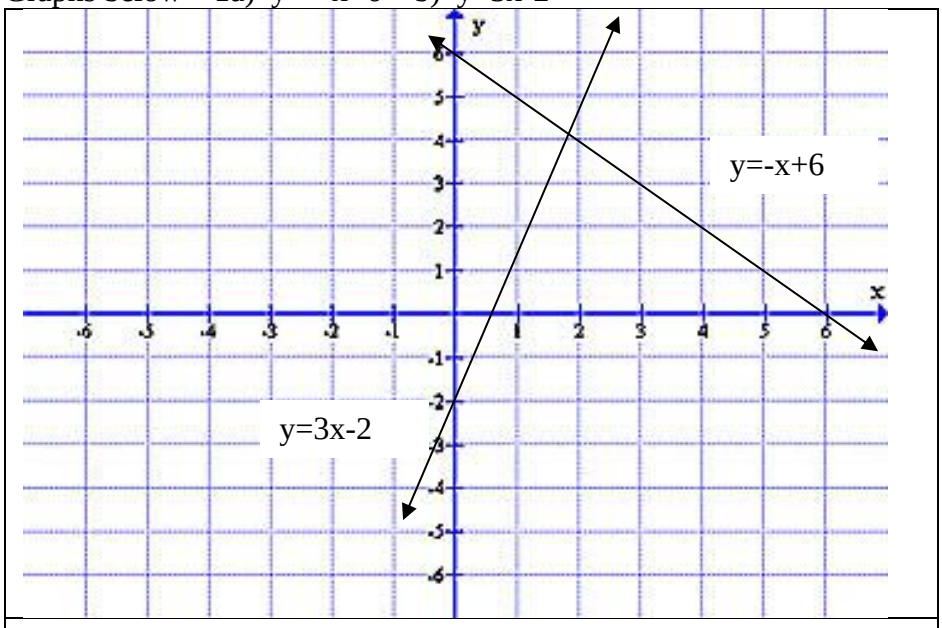
x	y	
0	-2	(0,-2)
1	1	(1,1)
3	7	(3,7)



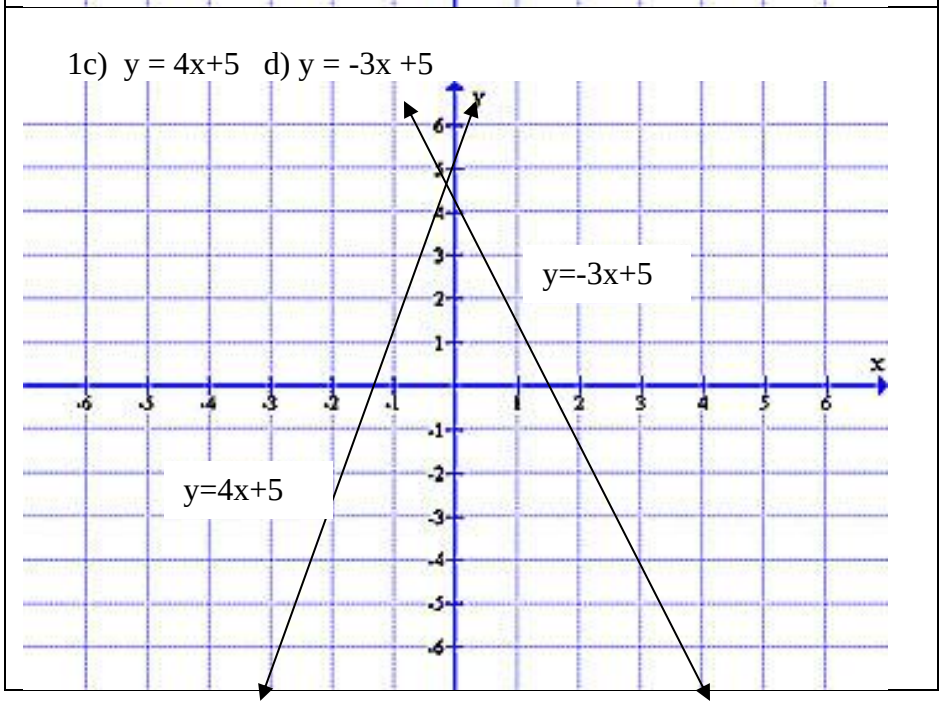
note that slope is positive (m = 3)
y – intercept (0,-2)

page 4:. 1 a. m=5; b=0; b. m= -3; b= -1; c. m=1/2; b= -4

page 5: Exercise 1. various tables of values are possible, a) m = -1, b = 6 1b) m = 3, b = -2
Graphs below 1a) y = -x+6 b) y=3x-2



1c) y = 4x+5 d) y = -3x +5



page 6: exercise 2. equations in y=mx+b form only – check your plots using geogebra

a) y = x + 4; b) y = x – 5; c) y = -3x + 6;
d) y = x – 1; e) y = 4x – 2; f) y = (3/2)x

page 9 : (intersection point): 1a. x=1, y=2 b. x=2, y=3
c. x=3, y=2 d. x = 2, y = 5
e. x = 2, y = 2 f. x = -2, y = 3

page 10. Instead of growing (doubling every step of x, the graph decays (shrinks) by half every step.