

HW 3-4

Sec 1

More Arithmetic Sequences

Unit 3

Instructions:

- a) Find the next three terms of the sequence.
 b) Write a recursive equation using **function notation**.

1.

Term	1	2	3	4	5	6	Recursive
Value	-6	-3	0				

2.

Term	-3	-2	-1	0	1	2	Recursive
Value	7	13	19				

3.

Term	1	2	3	4	5	6	Recursive
Value	-8.2	-10.5	-12.8				

4.

Term	3	4	5	6	7	8	Recursive
Value	-1	-8	-15				

5.

Term	1	2	3	4	5	6	Recursive
Value	-2	-1.5	-1				

6. 1.2, 2.5, 3.8,...

7.

Term	8	9	10	11	12	13	Recursive
Value	-11	-16	-21				

8. $-\frac{2}{5}, -\frac{1}{5}, 0, \frac{1}{5}, \dots$

9.

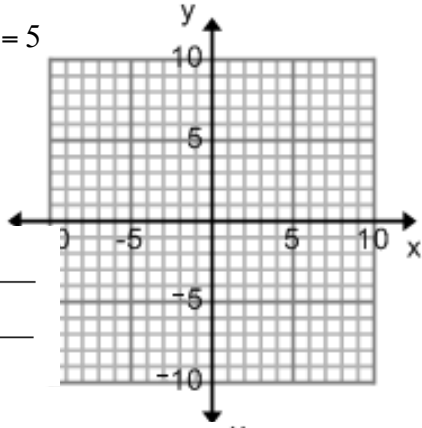
Term	2	3	4	5	6	7	Recursive
Value	53	45	37				

10.

Term	1	2	3	4	5	6	Recursive
Value	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{1}{4}$				

Review Section: Identify the slope and y -intercept of each equation. Graph the lines.

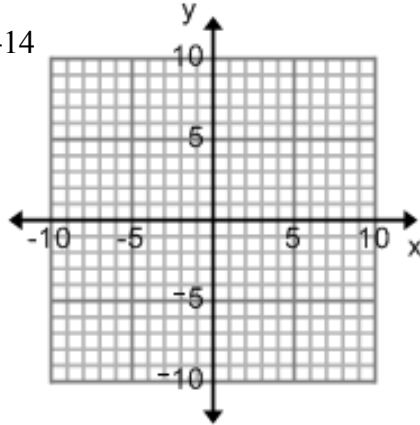
11. $7x + y = 5$



$m =$ _____

$b =$ _____

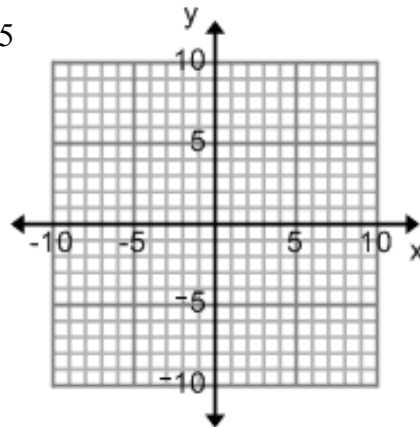
12. $4x - 7y = -14$



$m =$ _____

$b =$ _____

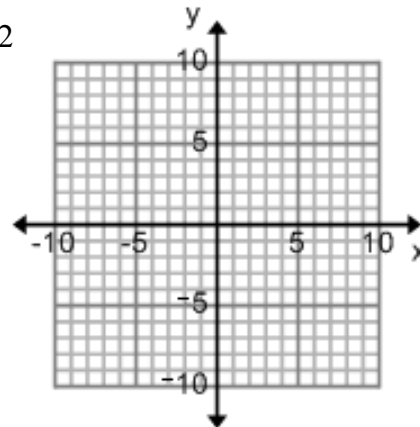
13. $3x + 5y = -5$



$m =$ _____

$b =$ _____

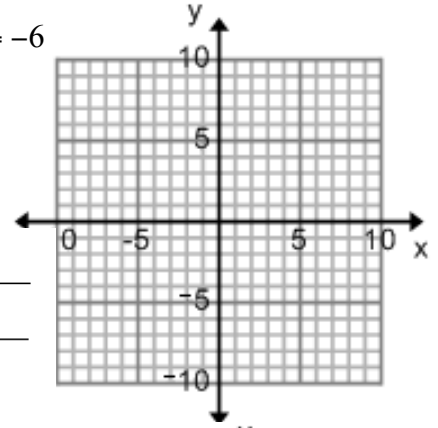
14. $2x - 4y = 12$



$m =$ _____

$b =$ _____

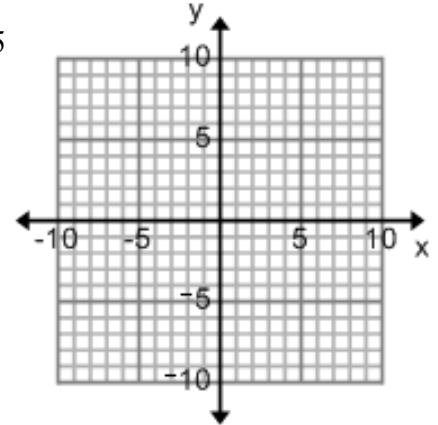
15. $x - 2y = -6$



$m =$ _____

$b =$ _____

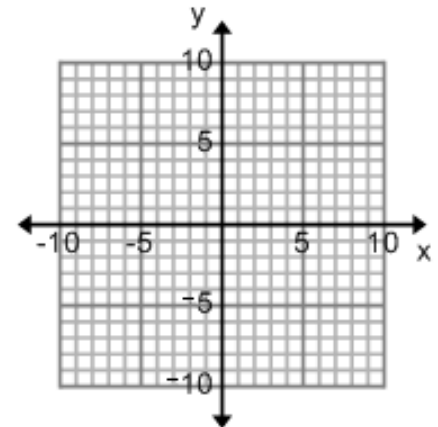
16. $6x - 5y = 25$



$m =$ _____

$b =$ _____

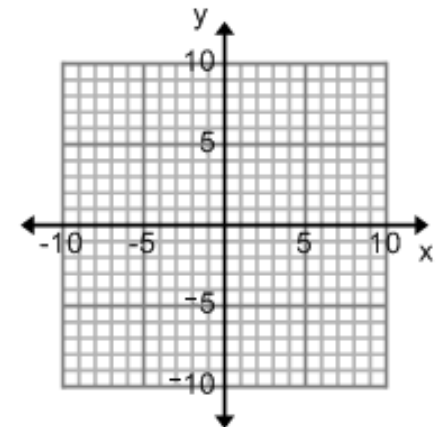
17. $x - 3y = 15$



$m =$ _____

$b =$ _____

18. $x - y = 3$



$m =$ _____

$b =$ _____