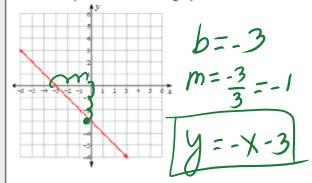
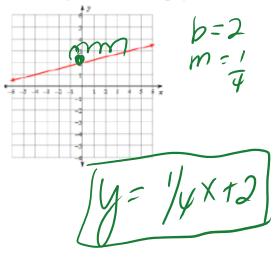
## 3B. Writing Linear Equations Pages 13-14

## MRS. WILSON

Give the equation of the line graphed below.

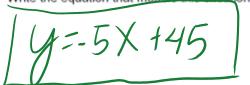


Give the equation of the line graphed below.

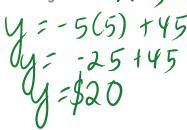


Raul finds \$45 while washing his clothes. He plans to use that money to buy lunch and spends \$5 a day on h = 45 m=5

A) Write the equation that models this situation.



B) Then, find how much he has left after 5 days of purchasing lunch. X=5



Tom the hippo finds a pond with 76 lily pads. Tom eats 7 b= 76 m=-7 lily pads an hour.

A) Write the equation that models this situation.

B) Then, find how many lily pads are left after 4 hours.

$$y = -7(4) + 76$$
  
 $y = -28 + 76$   
 $y = 46$  Lily pads

Give the explicit form for the sequence: f(t) = 1 11, 9, 7, 5, ... d = -2

$$f(n) = f(1) + d(n-1)$$
  
 $f(n) = 11 + -2 (n-1)$   
 $f(n) = -2N + 2$   
 $f(n) = -2N + 13$ 

Give the explicit form for the sequence: 
$$f(1) = -3$$

$$f(n) = f(1) + d(n-1)$$

$$f(n) = -3 - 5(n-1)$$

$$f(n) = -3 - 5N + 5$$

$$f(n) = -5N + 2$$

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## Page 13

Algebra 1

Give the list of the first 4 terms of the sequence if...

$$f(n) = 3n + 3$$

$$y = mx + b$$

$$f(0) = 3$$

$$f(1) = 3 + 3$$

$$f(1) = 3 + 3$$

$$= 6$$

$$f(2) = 6 + 3 = 9$$

$$f(3) = 9 + 3 = 12$$

$$f(4) = 12 + 3 = 15$$

Give the list of the first 4 terms of the sequence if... YIMKTD

f(n) = 5n - 2

$$f(0) = -2$$

$$d = 5$$

$$f(1) = -2 + 5 = 3$$

$$f(2) = 3 + 5 = 8$$

$$f(3) = 8 + 5 = 13$$

$$f(4) = 13 + 5 = 18$$

12 Give the list of the first 4 terms of the sequence if...

$$f(1) = -5 f(n) = f(n-1) + 4$$
  $d = -1$   
$$f(1) = -5 f(2) = -5 + 4 = -1 f(3) = -1 + 4 = 3 f(4) = 3 + 4 = 7$$

Give the list of the first 4 terms of the sequence if...

$$f(1) = 15$$

$$f(n) = f(n-1) - 6$$

$$d = -6$$

$$f(2) = 15 - 6 = 9$$

$$f(3) = 9 - 6 = 3$$

$$f(4) = 3 - 6 = -3$$

13 Solve the equation

$$\frac{7}{-100} + 3 = 4w - 15$$

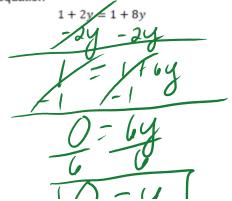
$$\frac{3}{-100} - 3w - 15$$

$$\frac{18}{-100} = 3w$$

$$\frac{18}{-100} = 3w$$

$$\frac{18}{-100} = 3w$$

Solve the equation





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