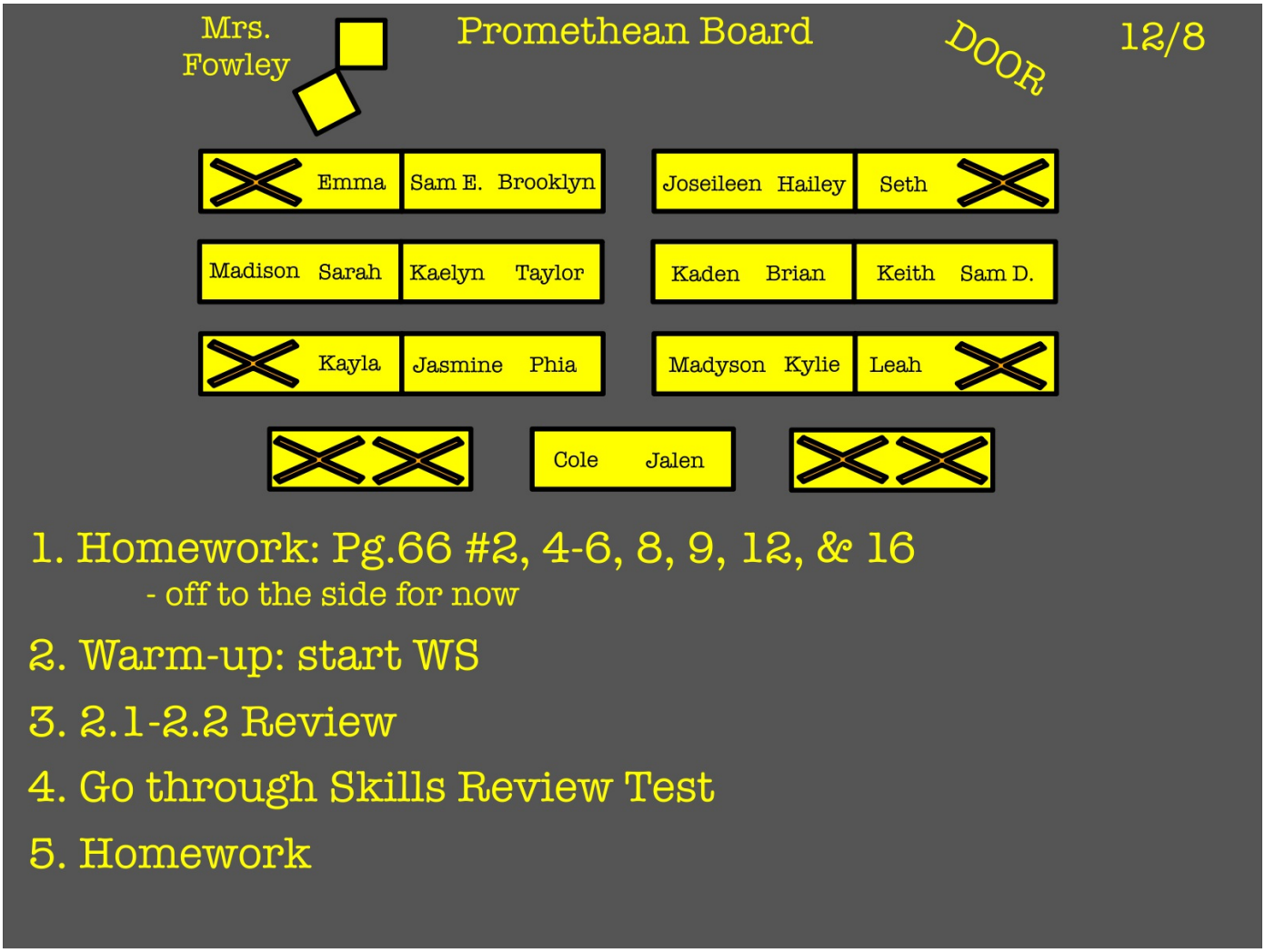


1. Homework: Pg.66 #2, 4-6, 8, 9, 12, & 16
   - off to the side for now
2. Warm-up: start WS
3. 2.1-2.2 Review
4. Go through Skills Review Test
5. Homework

Homework: Pg.66 #2, 4-6, 8, 9, 12, & 16

- corrections in pen

2. CRITICAL THINKING Is the equation $y = 3x$ in slope-intercept form? Explain.

yes; The slope is 3 and the y-intercept is 0.

Match the equation with its graph. Identify the slope and y-intercept.

4. $y = 2x + 1$

B; slope: 2; y-intercept: 1

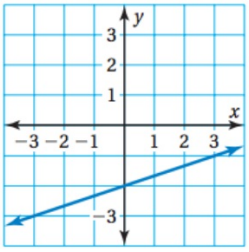
5. $y = \frac{1}{3}x - 2$

A; slope: $\frac{1}{3}$; y-intercept: -2

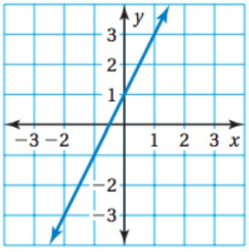
6. $y = -\frac{2}{3}x + 1$

C; slope: $-\frac{2}{3}$; y-intercept: 1

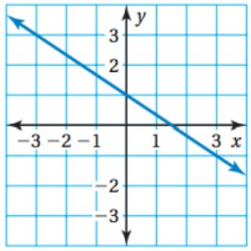
A.



B.



C.



Find the slope and y-intercept of the graph of the linear equation.

8. $y = -7x + 12$

slope: -7; y-intercept: 12

9. $y = -\frac{4}{5}x - 2$

slope: $-\frac{4}{5}$; y-intercept: -2

12. $y - 6 = \frac{3}{8}x$

slope: $\frac{3}{8}$; y-intercept: 6

16. ERROR ANALYSIS Describe and correct the error in finding the slope and y-intercept of the graph of the linear equation.

$y = 4x - 3$

The slope is 4 and the y-intercept is 3.

The y-intercept should be -3.

$y = 4x - 3$

The slope is 4 and the y-intercept is -3.

Review 2.1-2.2

Make a table and graph the equations using the same coordinate grid.

1. $y = -2x + 4$

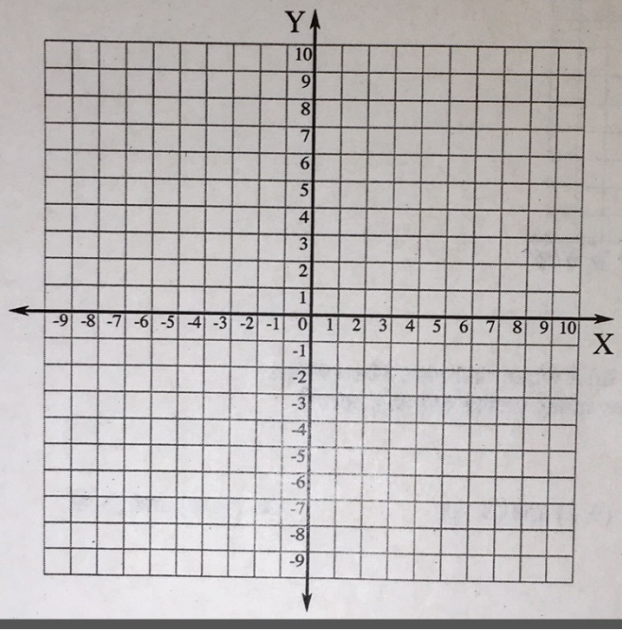
x			
y			

2. $y = \frac{2}{5}x - 3$

x			
y			

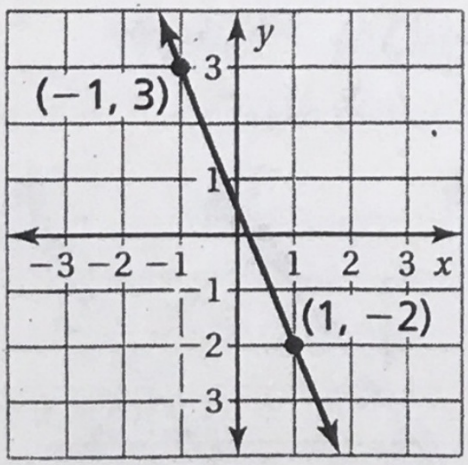
3. $y = -6$

x			
y			

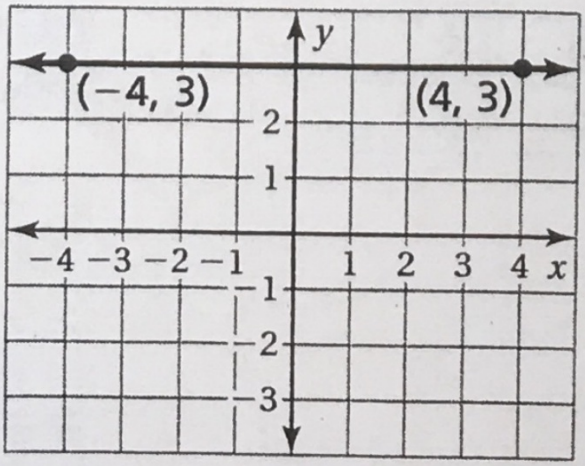


Find the slope of the line.

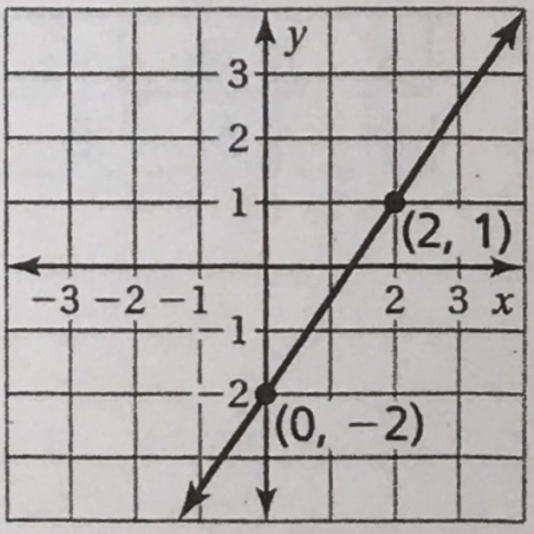
4.



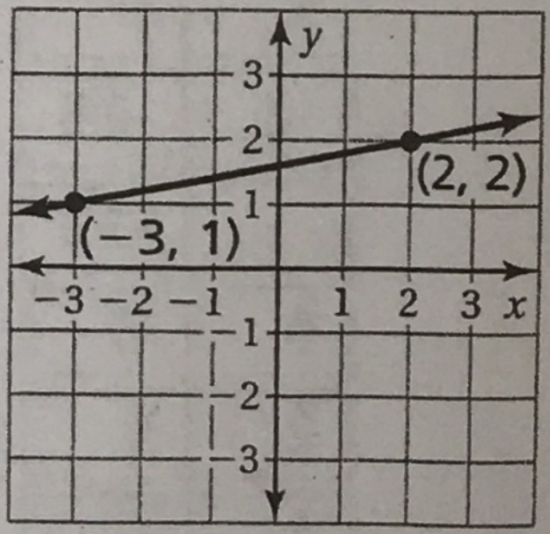
5.



6.



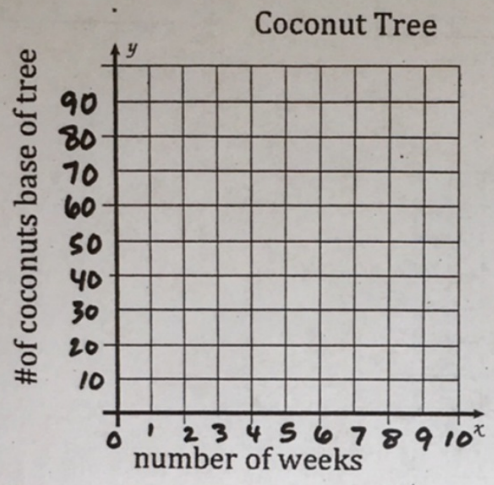
7.



8. There are 10 coconuts at the base of your tree. The coconuts are falling off the tree at a rate of 6 coconuts per week. Assume that you do not pick up any coconuts.

a. Write and graph a linear equation that represents the number of coconuts, y, at the base of your tree after x weeks.

x			
y			



b. The tree will have no coconuts on it when there are 52 coconuts at the base of the tree. After how many weeks will this occur?

Find the slope. Show your work.

9. (-5, 8) and (-4, 2)

10. (9, 2) and (3, -1)

11. (-4, 6) and (5, 6)

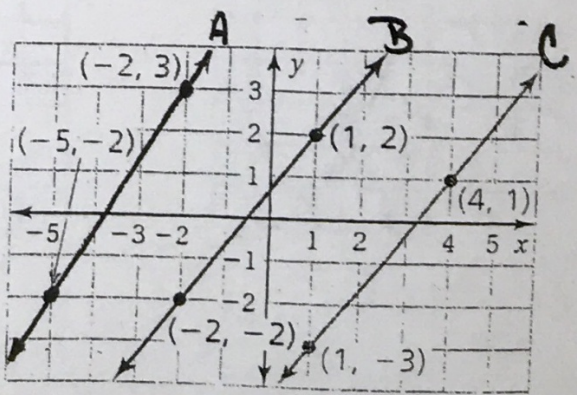
12.

x	y
-3	-25
-1	-13
0	-7
2	5
4	17

13.

x	-6	-3	0	3
y	6	5	4	3

14. Which two lines are parallel? Explain. **Show the slope of each line.



Homework: finish Review 2.1-2.2, due 12/11