

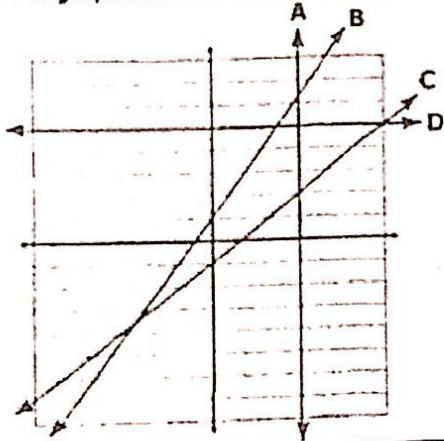
Algebra I Unit 4 Test
Linear Equations

Name: _____

Date: _____ Per: _____

SHOW ALL WORK NEEDED TO ANSWER EACH QUESTION.
PLACE YOUR FINAL ANSWER IN THE BOX. GOOD LUCK! ☺

Use the graph below to answer questions 1 & 2.



1. Which line has a slope of $\frac{3}{4}$?

2. Which line has an undefined slope?

3. What is the slope of the line that contains the points $(-6, 1)$ and $(4, -4)$?

- A. 2
- B. -2
- C. $\frac{1}{2}$
- D. $-\frac{1}{2}$

4. What is the slope of the line that contains the points $(13, -2)$ and $(3, -2)$?

- A. $-\frac{2}{5}$
- B. 0
- C. $-\frac{5}{2}$
- D. undefined

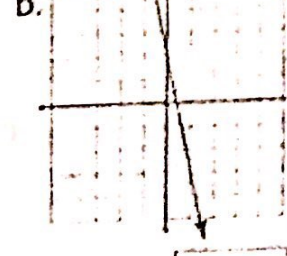
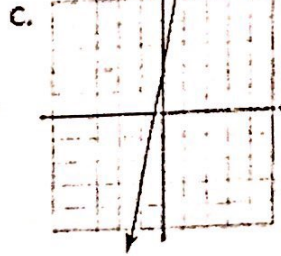
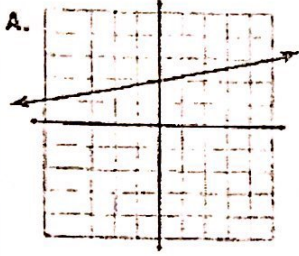
5. What is the slope of the line whose equation is $2x = 3y + 4$?

- A. 3
- B. 2
- C. $\frac{3}{2}$
- D. $\frac{2}{3}$

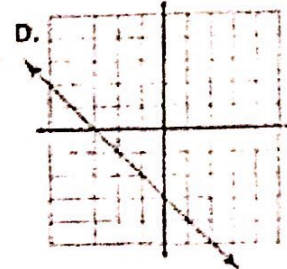
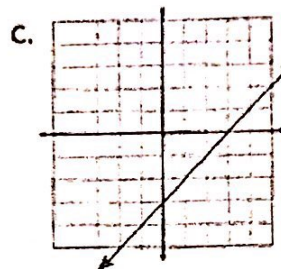
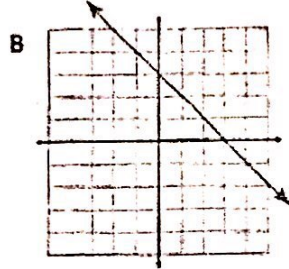
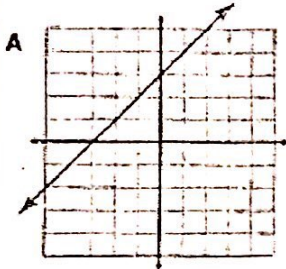
6. Which is an equation of the line with a slope of $\frac{1}{4}$ and a y-intercept of -2 ?

- A. $x - 4y = 8$
- B. $x + 4y = -8$
- C. $4x + y = -2$
- D. $4x - y = 2$

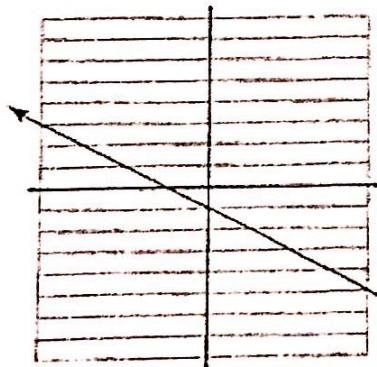
7. Which graph best represents the line $y = -\frac{1}{5}x + 2$?



8. Which graph best represents the line $x - y = 3$?

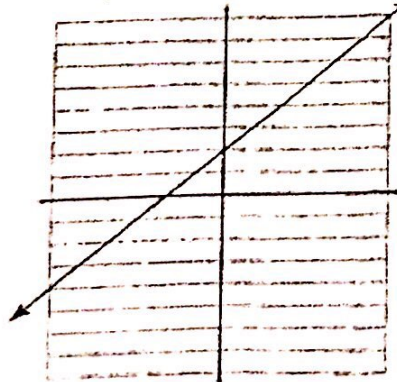


9. Identify the equation of the line graphed below.



- A. $x + 2y = -2$
- B. $x - 2y = 2$
- C. $2x + y = -1$
- D. $2x - y = 1$

10. Identify the equation of the line graphed below.



- A. $4x + 3y = 6$
- B. $4x - 3y = -6$
- C. $3x + 4y = 8$
- D. $3x - 4y = -8$