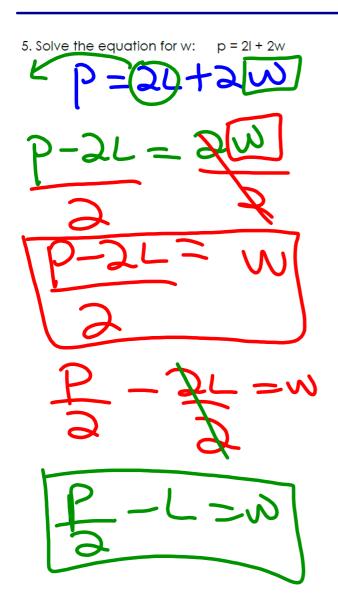
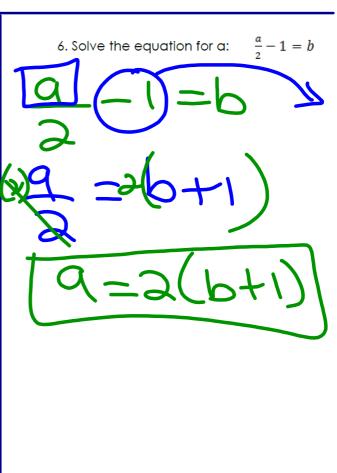
# Agenda for Today 2/11/2021

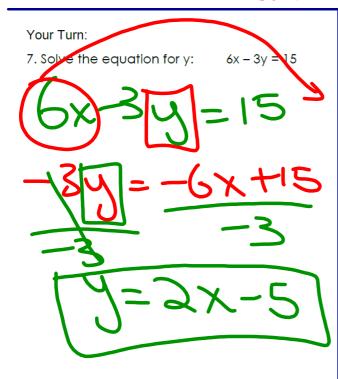
- 1. Spiral Warm-Up 10 minutes
- 2. Review for Unit 2A Test
- 3. Complete HW on deltamath
- 4. Complete HW on edpuzzle.com
- Literal Equations
- Dimensional Analysis
- Rational & Irrational Numbers
- All other videos on edpuzzle!

# Literal Equations





# Practice

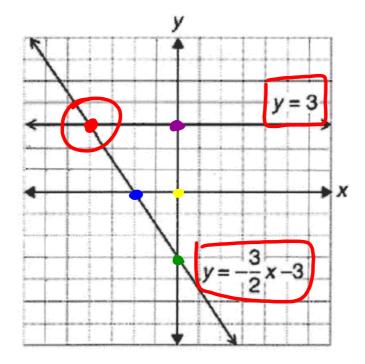


# Practice - We Do

1. You are visiting a foreign county over the weekend. The forecast is predicted to be 30 degrees Celsius. Are you going to pack warm or cold clothes? Use Celsius =  $\frac{5}{9}$ (F-32).

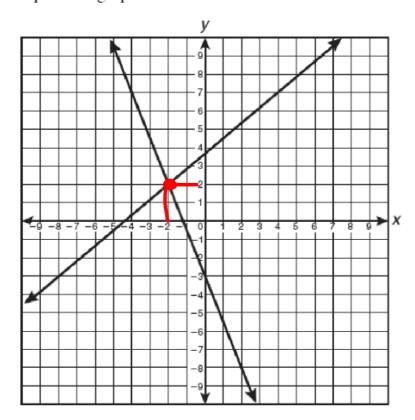
$$930 = 15 (F-32)$$
 $270 = 5(F-32)$ 
 $270 = 5(F-$ 

Which point best represents the solution to the system of linear equations shown in the graph below?



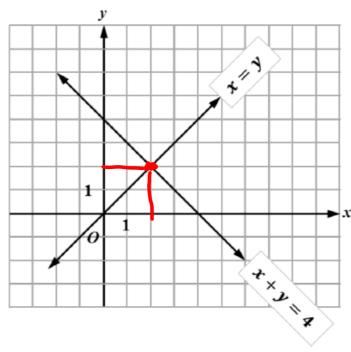
- (-4,3)
- B. (3, -4)
- C. (4, -3)
- D. (-3,4)

What is the apparent solution to the system of equations graphed below?



- A. (-2, -2)
- B. (-2,2)
- C. (2, -2)
- D. no solution

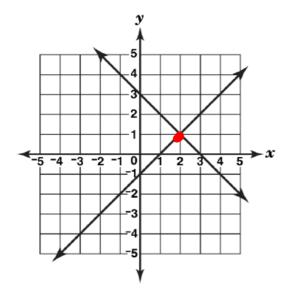
3.



Which point is the solution to both equations shown on the graph above?

A. (0,0) B. (0,4) C. (1,1) D. (2,2)





Which of these statements describes the relationship between the two lines?

- A. They intersect at the point (2, 1).
  - B. They intersect at the point (1, 2).
  - C. They intersect at the point (1,0).
  - D. They intersect at the point (0,3).

#### Systems of Equations - Substitution

5. What is the *y*-value of the solution to the following system of linear equations?

system of finear equations?  

$$y = (x + 8)$$
  
 $x + 2y = 1$   
A. -7 B. -5 C. 3 D. 13  
 $x + 2(x + 6) = 1$   
 $x + 2x + 16 = 1$ 

# Systems of Equations - Elimination

6. 
$$\begin{cases} 7x + 3y = -8 \\ -4x - y = 6 \end{cases} \times 3$$

What is the solution to the system of equations

shown above?

A. 
$$(-2,-2)$$

B)  $(-2,2)$ 

C)  $(-2,-2)$ 

The equation of the equation  $(-2,-2)$ 

B)  $(-2,2)$ 

Figure  $(-2,-2)$ 

Figure  $(-2$ 

#### Systems of Equations - Substitution

 $\begin{cases} y = 3x - 5 \\ y = 2x \end{cases}$  3x-5=2x

What is the solution of the system of equations shown above?

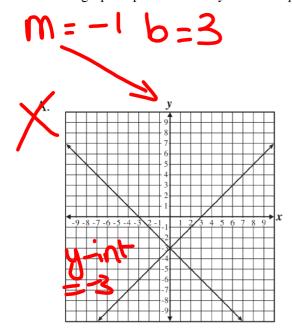
- A. (1, -2)
- B. (1, 2)
- C. (5, 10)

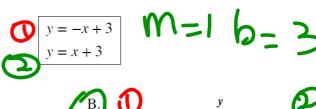
7.

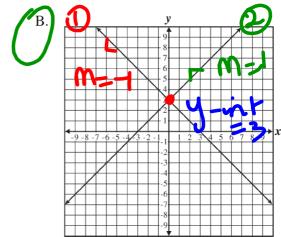
D. (-5, -10)

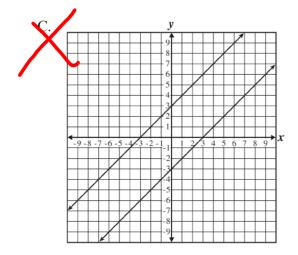


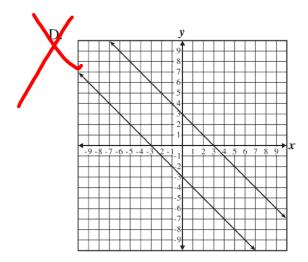
8. Which graph represents the system of equations shown below?











### Systems of Equations - Elimination

9. What is the x-coordinate of the solution to the following pair of equations?

$$2x + 3y = 7$$
$$3x - y = 5$$



#### Systems of Equations - Substitution

10. What is the solution to this system of equations?

$$\begin{cases} y = -3x - 2 \\ 6x + 2y = -4 \end{cases} 6x + 2(-3x - 2) = -4$$

- A. (6,2)
- B. (1, -5)
- C. no solution
- D. infinitely many solutions

#### **Word Problem**

Ms. Ross told her class that tomorrow's math test will have 20 questions and be worth 100 points. The multiple choice questions will be 3 points each and the open ended response questions will be 8 points each. Determine how many multiple choice and open ended response questions are on the test.