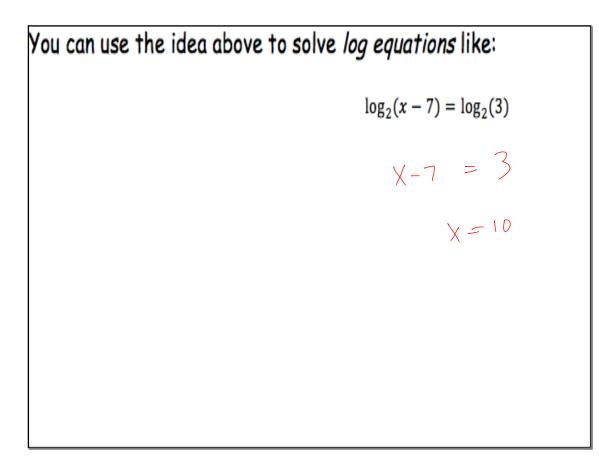
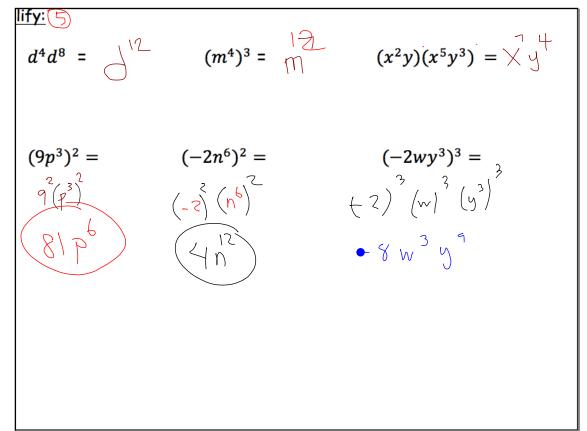


Prediction: If two quantities, say, x and 6, are equal, are their logs equal? namely is  $\log x = \log 6$ ? Circle your prediction: true or false The answer to the question above is true. In fact, as long as the base is equal, both sides will be equal after you "take the log of both sides". For example if n = 5, then  $\log_2 n = \log_2 5$  or  $\log_3 n = \log_3 5$  or  $\log_4 n = \log_4 5$ , or for any base. M = -5  $\log_2(M) = \log_2(5)$ M = 5



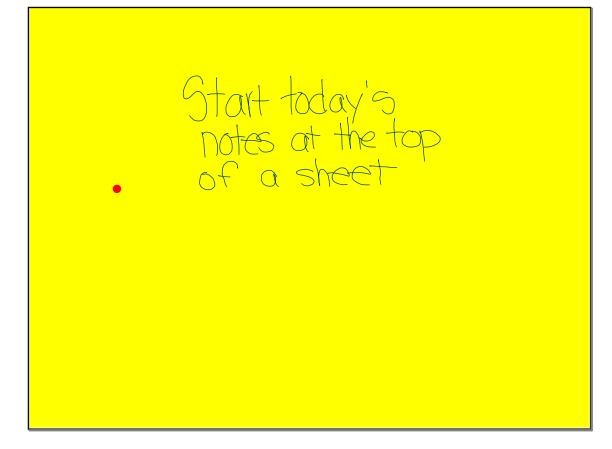


$$\frac{3.12c^{3'}}{2.8c^{3'}} = \frac{3}{2} \qquad \frac{4}{315x_{x}^{2'}} = \frac{4}{3x^5} \qquad \frac{a}{(-2a)^2} = \frac{x^4}{4} \qquad \frac{x^4}{4a^2a^4} \qquad \frac{x^4}{4a^4} \qquad \frac{x$$

5.	Answer true or false to each of the questions below:
	<u>Once</u> class starts, you should only write on your homework with a pen of a different color.
	By the time you finish self-correcting your HW, your score should be written in pen both on your own HW paper and the recording sheet.
	<u>A</u> largest portion of your HW score is whether you are showing detail on all problems requiring a process.
	When absent, I always check Mr. <u>Cedarlund's</u> website before I get back to class.

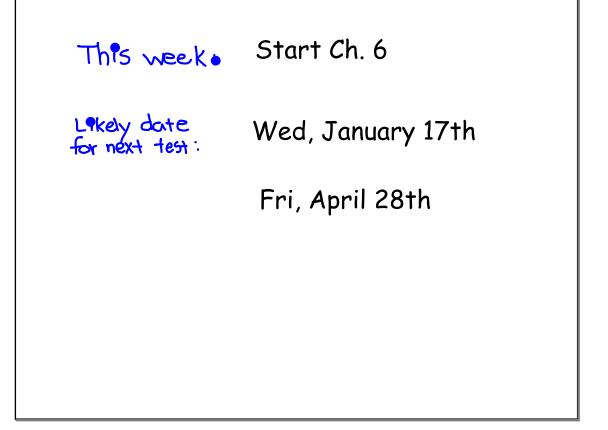
j

Multiple Choice. The real reason for Mr. <u>Cedarlund's</u> scar is:
<ul> <li>a) He fell off a sled going down a steep snowy hill.</li> <li>b) He really DID get in a fight at a restaurant when a Boise State fan through a French fry at him.</li> <li>c) His face attacked the sharp claws of his new puppy.</li> <li>d) He did not wear enough sun screen or hats when he was younger.</li> </ul>

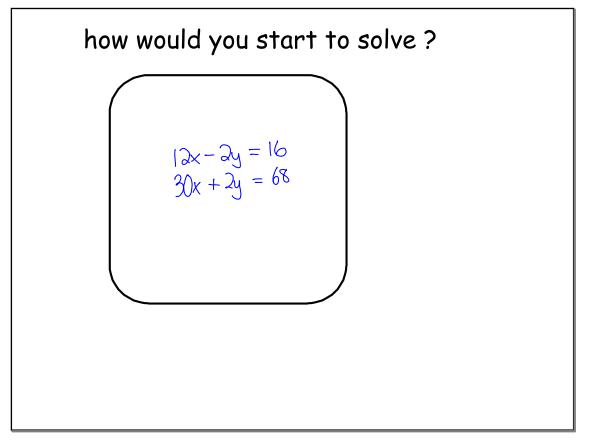


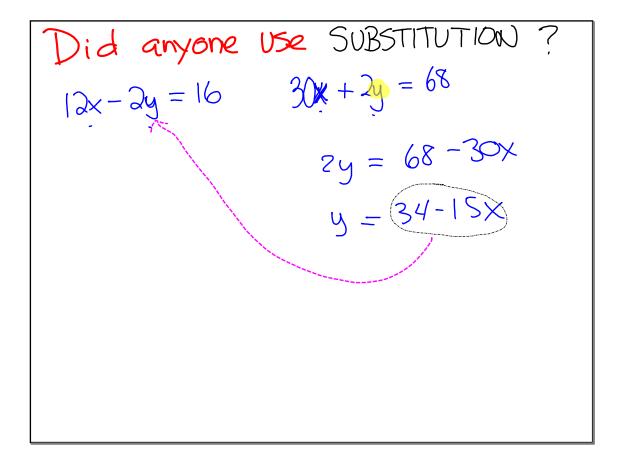
## Start Chapter 6

- Solving 3 by 3 systems of equations.
  - 6.2 More with logaritms



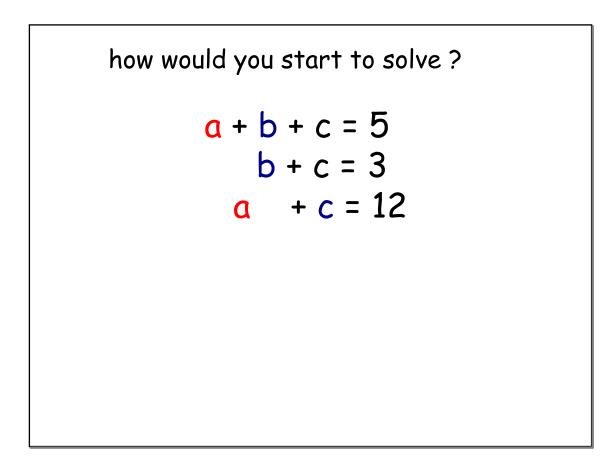
Solve Systems of Equations with three variables. tim what do solutions look like? What does the graphical intersection look like?

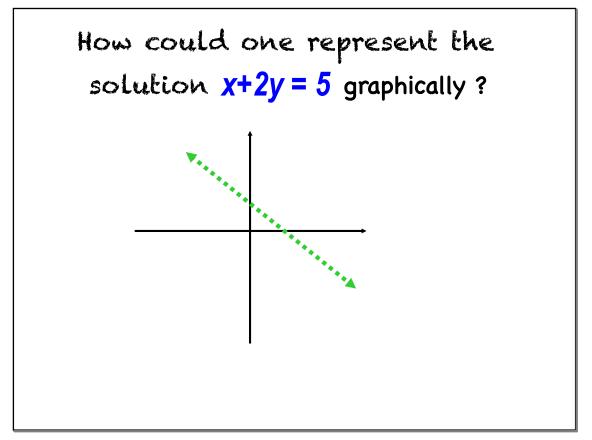


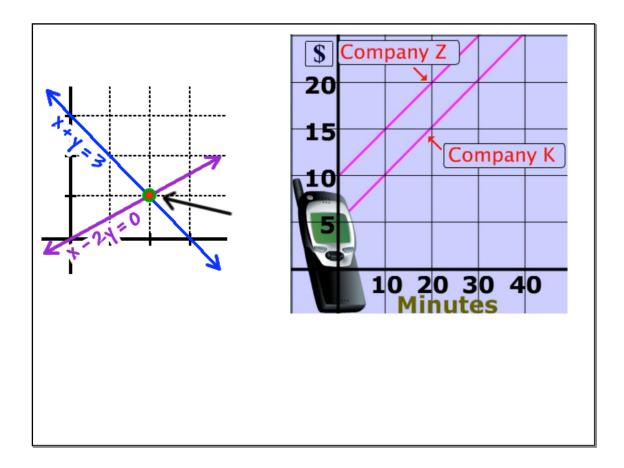


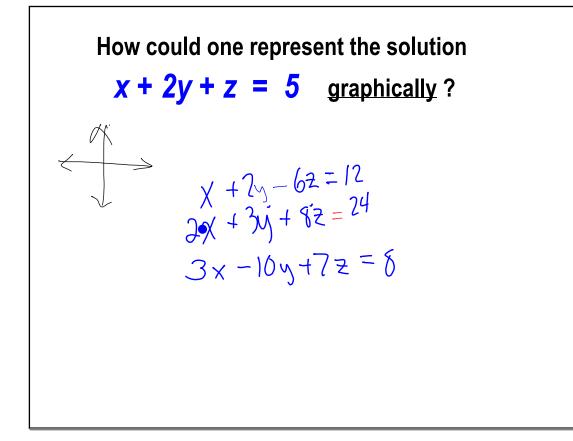
Did anyone use Elimination?  

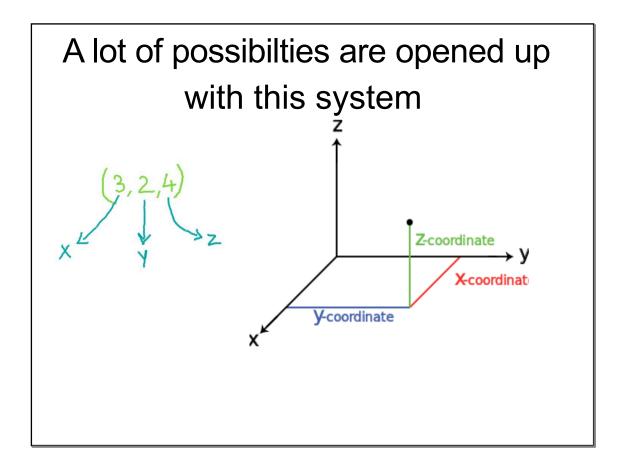
$$12x - 2y = 16$$
  
 $+ 30x + 2y = 68$   
 $42x = 57$ 

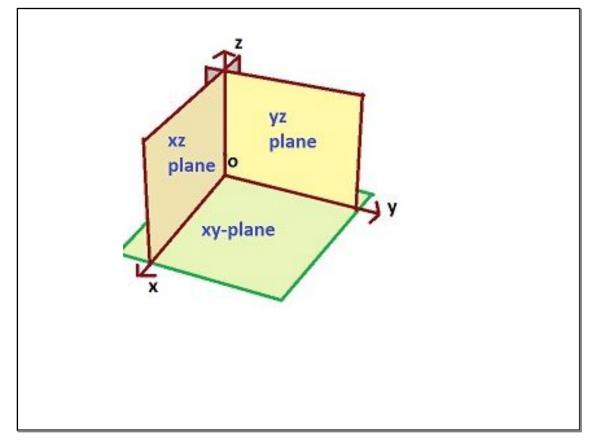


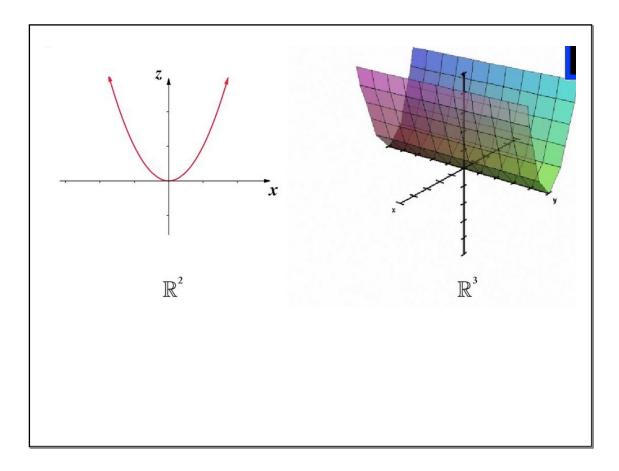


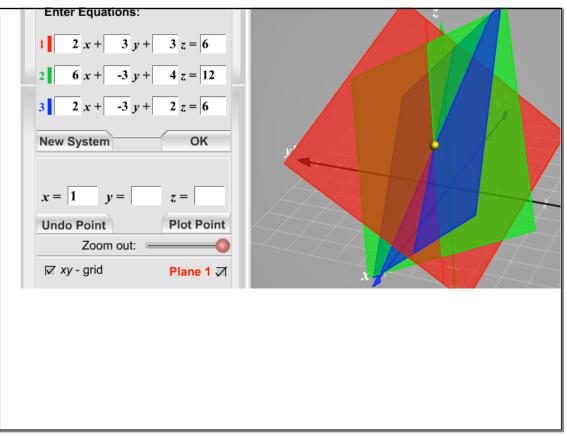


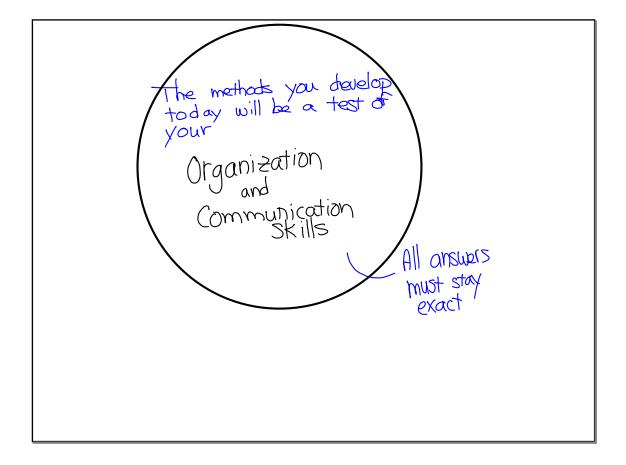


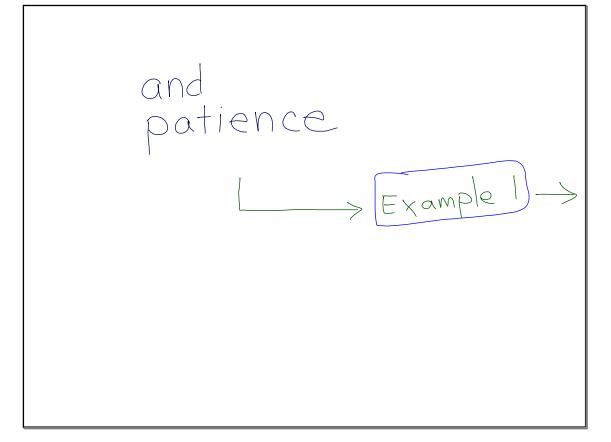












$$I = 0 + 3b + 3c = -2$$

$$I = 2a - b - c = -9$$

$$I = a - 2b + 5c = 1$$

$$I = a - 2b + 5c = 1$$

$$I = 2a - b - c = -9$$

$$I = 2a - b - c = -9$$

$$I = -7b - 5c = 5$$

$$I = a + 3b + 2c = -2$$

$$I = -9$$

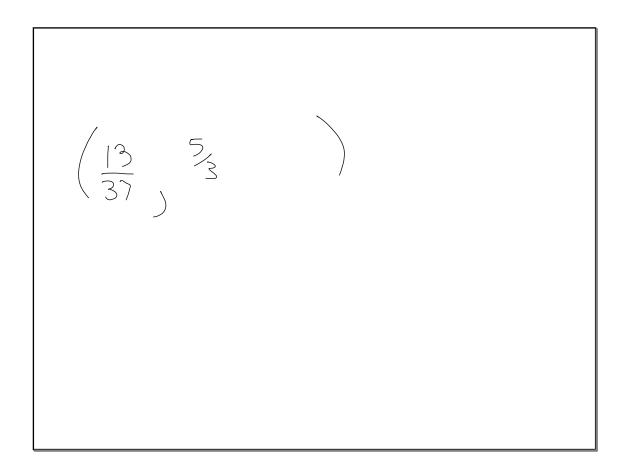
$$A - 3b - 2c = 2$$

$$A - 2b + 5c = 1$$

$$B - 5b + 3c = 3$$

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-76 - 5c = 5 3 - 216 - 15c = -15-56 + 3c = 3 57 - 256 + 15c = 15-46b = 0b = 0-3(0) + 3c = 33c = 3c = 1G = -4b = 0



j

Sometimes solutions can look like .....

j

 $\left(\frac{1}{2}, -\frac{1}{3}, 2\right)$ 

Very important to keep all values exact.

Example 2 [start at the top] of a page]

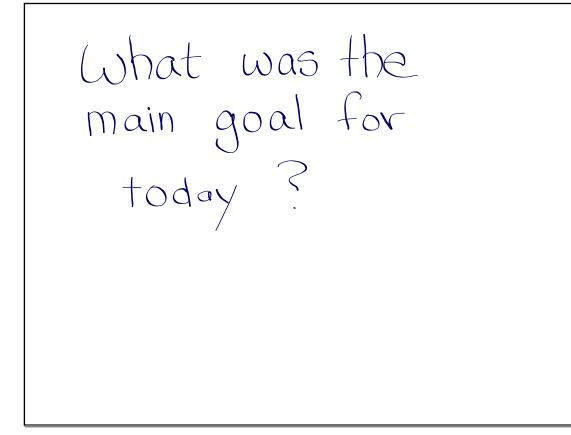
$$I X + Y + 32 = 3$$
  

$$I 2x + Y + 62 = 2$$
  

$$I 2x - Y + 32 = -7$$

(a) 
$$x+y+3z=3$$
  
(b)  $x+y+6z=2$   
(c)  $2x-y+3z=-7$   
(c)  $+2x-y+3z=-7$   

$$\begin{pmatrix} -2 & , 4 & \frac{1}{3} \end{pmatrix}$$
  
or  $x = 2$   
 $y = 4$   
 $z = \frac{1}{3}$ 



Assignment from Volume 2 of our textbook

**6**....12, 14, 25, 38, 41ac, 51, 52

Heads up:

There may be random mid chapter recording checks to see if you are following the guidelines listed on the top of the HW Recording Sheet.

Nature of this work · Need lots of space . Keep the font size small. Stay organized. · (an be frustrating if you make silly mistakes . Don't be in a rush.

