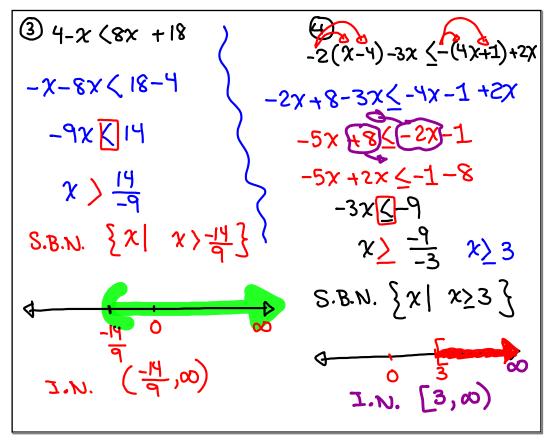
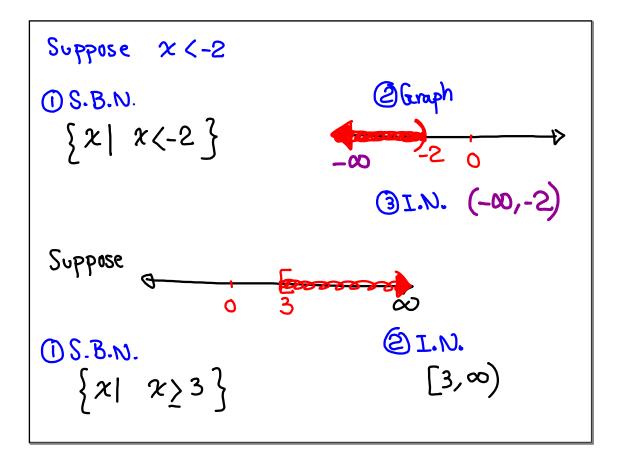
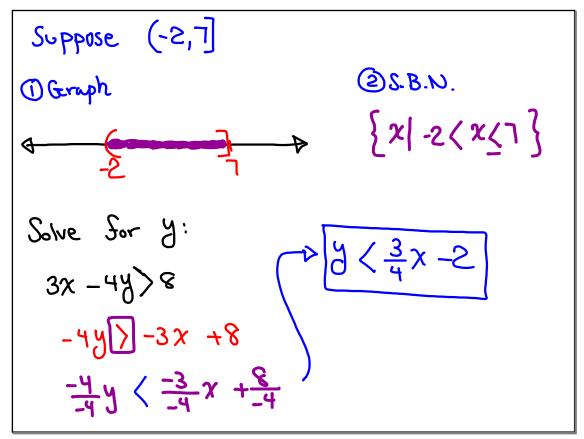


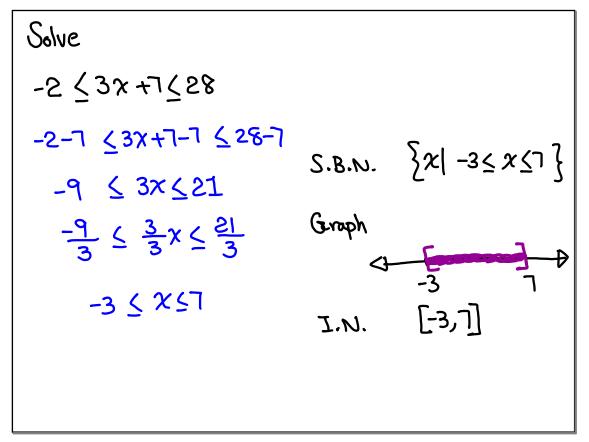
Solve, express Your Sinal answer in  
S.B.N., Graphing, and I.N.  
() 
$$-4x + 20 < 0$$
  
 $-4x / 20 < (2) 7x + 3 \ge 9x - 7$   
 $-4x / 2 - 20$   
 $-4x / 2 - 20$   
 $-4x / 2 - 20$   
 $-2x / 2 - 10$   
 $x > 5$   
S.B.N.  $\{x | x > 5\}$   
S.B.N.  $\{x | x > 5\}$   
Such that  $5$   
S.B.N.  $\{x | x > 5\}$   
 $x < 5$   
S.B.N.  $\{x | x > 5\}$   
 $x < 5$   
 $x <$ 







Solve 
$$-3 \langle 2\chi - 5 \leq 7$$
 we want to isolate  
 $\chi$  in the middle  
 $-3 + 5 \langle 2\chi - 5 + 5 \leq 7 + 5$   
 $2 \langle 2\chi \leq 12$   $\Rightarrow 1 \langle \chi \leq 6$   
 $\frac{2}{2} \langle \frac{2}{2} \chi \leq \frac{12}{2}$   $\Rightarrow 8.8.8.$   $[\chi| 1 \langle \chi \leq 6]$   
Graph  
 $1 = \frac{1}{5}$   
 $1 = \frac{1}{5}$ 



Integers: 
$$\{\dots, -3, -2, -1, 0, 1, 2, 3, 4\}$$
  
Consecutive integers  
2, 3, 4, 5, --- ·  
27, 28, 29, ....  
100, 101, 102, ---  
-43, -42, -41, -40, ---.  
 $\chi, \chi+1, \chi+2, \chi+3, -...$   
The Sum of two Consecutive integers is  
49. Find both integers  
 $\chi \notin \chi+1$   
 $\chi + \chi+1 = 49$   
 $\chi = \frac{48}{2}$   
 $2\chi = 49-1$   
 $\chi = 24$ 

The perimeter of a rectangular room is  
22 meters. length and width are  
two consecutive integers.  
(1) Draw & label  

$$x = 5$$
  
 $6$   
 $x+1$   
(2) Sind its dimensions  
 $P = 22m$   
 $2L + 2W = 22$   
 $2(x+1) + 2(x) = 22$   
 $3$  Find its area.  
 $R = LW$   
 $= 5(6)$   
 $R = 30m^2$   
 $x = 5$   
Dimensions; 5m by 6m

The perimeter of a triangular shape is All Sides are three consecutive integers. find the largest side. P = 33 0+0+0=3312+1 12 2+2  $\chi + \chi + 1 + \chi + 2 = 33$  $3\chi + 3 = 33$ 12  $3\chi = 30$  $\chi = 10$ 

Consecutive Even Integers:  
2, 4, 6, 8, 10, ---.  
102, 104, 106, 108, --..  
-66, -64, -62, -60, -...  
Start with 
$$\rightarrow \chi$$
,  $\chi + 2$ ,  $\chi + 4$ ,  $\chi + 6$ , -...  
Find two consecutive even integers  
Such that the Sum of 3 times the Smallest  
one and the largest one is 42  
 $\chi \neq \chi + 2 = 42$   
 $4\chi + 2 = 42$   
 $4\chi = 40$   
 $\chi = 10$ 

The perimeter of a rectangular pool is  
100 ft. length 
$$\dot{\epsilon}$$
 width are two  
consecutive rintegers. find its dimensions.  
 $P = 100$   
 $\chi \frac{24}{24} \frac{26}{2} \frac{21}{2} \frac{26}{2} \frac{21}{2} \frac{21}{2} \frac{26}{2} \frac{21}{2} \frac{21}{2}$ 

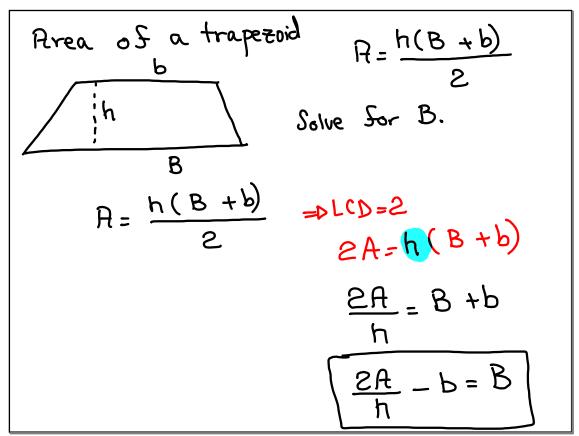
Two cons. odd integers  
1, 3, 5, 7, ----  

$$29, 31, 33, 35, ----$$
  
 $-71, -69, -67, -65,$   
 $\chi, \chi+2, \chi+4$   
find two  
consecutive odd integers Such that  
their sum is 45.  $\chi + \chi+2 = 45$   
 $\chi = 43, \chi = 21.5$   
Not integer

April 18, 2018

find two consecutive odd integers such that Four times the smaller one reduced by the larger one, is equal to  $4 \cdot x - (x + 2) = 31$ 31. ア キネ+2 4x - x - 2 = 3111 è 13  $3\chi - 2 = 31$ 3χ = 33 2=11

Volume of a Circular Cone is 
$$V = \frac{1}{3}\pi r^{2}h$$
  
Solve Sor h:  $V = \frac{1}{3}\pi r^{2}h$   
Clear Straction by LCD=3  
 $3V = \frac{3}{3}\pi r^{2}h$   
 $3V = \pi r^{2}h$   
 $\frac{3V}{\pi r^{2}} = h$ 



Solve For y  

$$\frac{\chi}{2} - \frac{y}{5} = 1$$

$$L(D) = 10$$

$$510 \cdot \frac{\chi}{2} - 100 \cdot \frac{y}{5} = 10.1$$

$$y = \frac{-5}{-2}\chi + \frac{10}{-2}$$

$$y = \frac{5}{2}\chi - 5$$

April 18, 2018

Translate The Sum of twice x and 5 is less than 20. 2x+5 (20 Translate and Solve Difference of 12 and twice Some number exceeds 50. Find all Such numbers.  $12 - 2x > 50 \quad \int \frac{-2}{-2} x < \frac{38}{-2}$ x<-19 -2x>50-12 All numbers  $-2\chi$  38 less than -19.

SG 5 due Thursday work on SG6 lecture first, followed by exam.