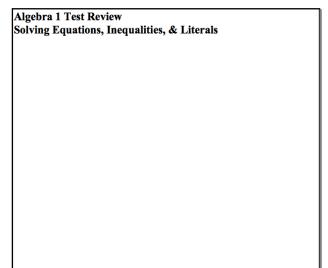
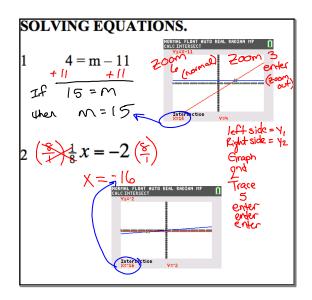
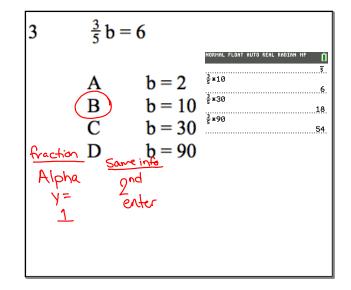
Please have your homework on your desk. Calculator? Yes! DATE: 9/21/17 SHSMUNFORD. Weeby, COM TSW Review for Test on Equations, Inequalities, & Literals			
QRQ5:			
1 Evaluate -x <sup>2</sup> - y <sup>2</sup> - z When x = -4, y = -2 and z = -1 NORMAL FLOAT AUTO REAL RADIAN HP -(-(-4) <sup>2</sup> -(-2) <sup>2</sup> -(-1) 	2 Simplify 2(x-4) - 3(x-5) 2x - 8 - 3x + 15 -x + 7		







4 32 = 41 - y  

$$-\frac{-41}{-9} = -\frac{1}{-4}$$
  
 $\frac{-9}{-1} = -\frac{1}{-1}$   
 $\frac{1}{2} = 9 + 44 + y = 9$   
 $5 \left(-\frac{5}{4}\right) + \frac{4}{5}z = -\frac{1}{10}\left(-\frac{5}{4}\right)^{-3}$   
 $\frac{7}{2} = \frac{5}{40} = -\frac{1}{8}$ 

$$6 \qquad 6-2x = 12 \qquad \begin{array}{c} 6-2x = 12 \\ \hline A \\ B \\ x = -3 \\ \hline -6 \\ -6 \\ \hline -6 \\ \hline -6 \\ \hline -6 \\ \hline -2 \\$$

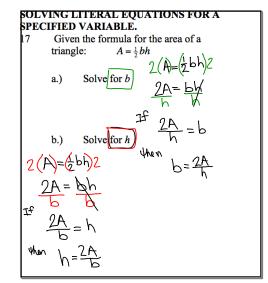
$$\frac{3x + 8 = 6x + 17}{9 = 3x + 17} = \frac{-3x}{-3x} = \frac{-3x}{-3x} = \frac{-9}{-17} = \frac{3x}{-3} = \frac{-9}{-3} = \frac{3x}{-3} = \frac{-3}{-3} =$$

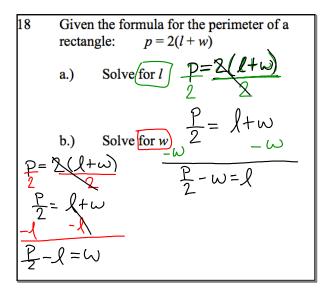
13 
$$5x - 8 = 8x + 31$$
  
(A)  $x = -13$   
B  $x = -11$   
C  $x = 3$   
D  $x = 9$   
 $5x - 8 = 8x + 31$   
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 $-8 = 3x + 31$   
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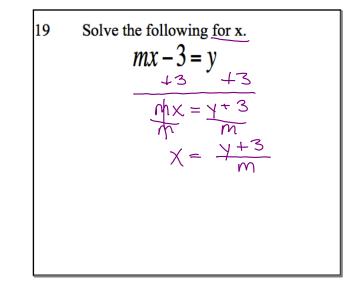
$$\begin{array}{rcl}
14 & 12m + 8 = 14m - 16 \\
 -12m & -12m \\
 & 8 = 2m - 16 \\
 +16 & +16 \\
 & -12m \\$$

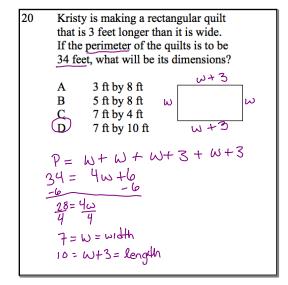
15 
$$11 + 3(x - 2) = 3x - 1$$
  
 $11 + 3x - 6 = 3x - 1$   
 $5 + 3x = 3x - 1$   
 $5 \neq -1$   
No Solution

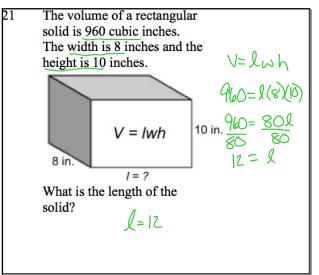
16 
$$2(x-5) = 4x \ominus (10+2x)$$
  
 $2x - 10 = 4x - 10 = 2x$   
 $2x - 10 = 2x - 10$   
 $-10 = -10$   
Infinitely Many Solutions

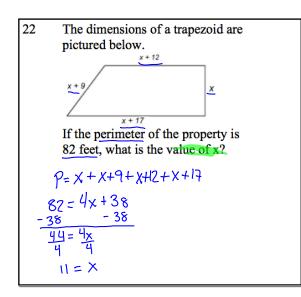


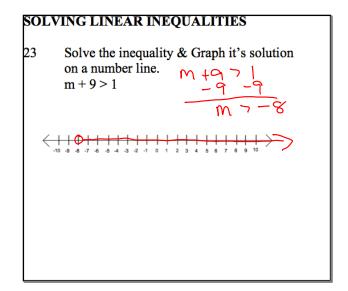






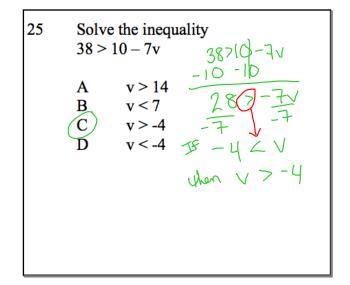




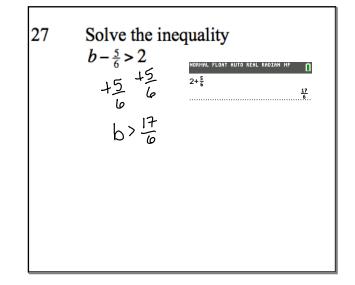


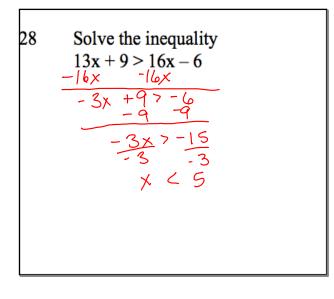
24 Solve the inequality  

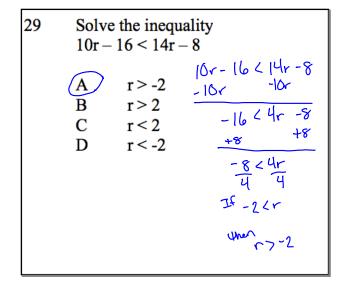
$$9 > p - 2$$
  $Q > p - 2$   
A  $p > 7$   
B  $p < 7$   
C  $p > 11$  for  $p < 1$   
D  $p < 11$   $p < 1$ 



26 Solve the inequality & Graph it's solution on a number line.  $3(n + 1) \le 2n + 6$   $3n + 3 \le 2n + 6$  -2n - 2n  $n + 3 \le 6$  -3 - 3  $n \le 3$  $n \le 3$ 

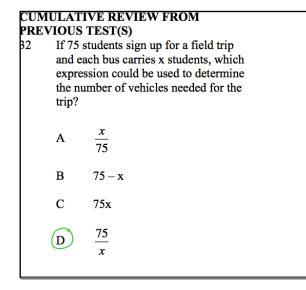






**30** An inequality is solved as shown.Between which two steps is an error made?Explain the error.Step 1:  $-3(x + 2) \ge 8$ Step 2:  $-3x + 6 \ge 8$  Should beStep 3:  $-3x \ge 2$ Step 4:  $x \le -\frac{2}{3}$ 

31	Given: $3x + 6 \ge 7x - 4$
	Using the given inequality above, select ALL that illustrate the application of the <i>subtraction</i> property of inequality.
A	$3x + 6 - 7x \ge 7x - 4 - 7x$
В	$1/3(3x+6) \ge 1/3(7x-4)$
Ô	$3x + 6 - 6 \ge 7x - 4 - 6$
D	$3x + 6 - 3x \ge 7x - 4 - 3x$
Ε	$3(x+2) \ge 7x-4$
F	$\frac{(3x+6)}{7} \ge \frac{(7x-4)}{7}$



34	Give the following, identify the property used to justify each step.	
5(x + 1	1) + 6(x + 2)	Given
5x + 5	+ 6x + 12	Distributure
5x+6	x + 5 + 12	<u>Commutative of</u> +
(5x + 6	5x) + (5 + 12)	Associatient +
11 <b>x</b> +	17	substitution

