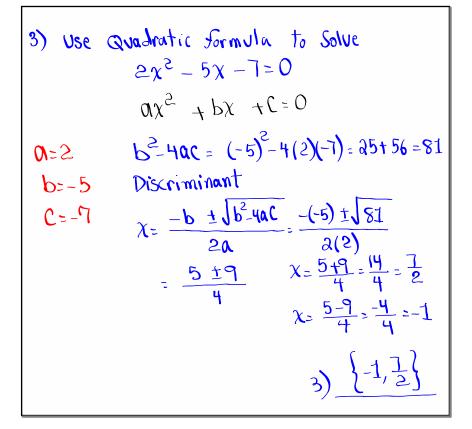
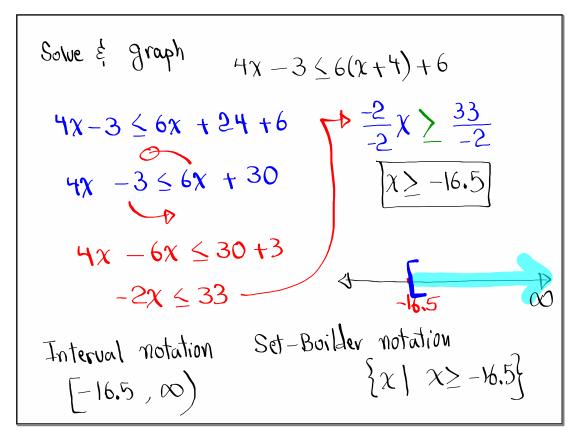


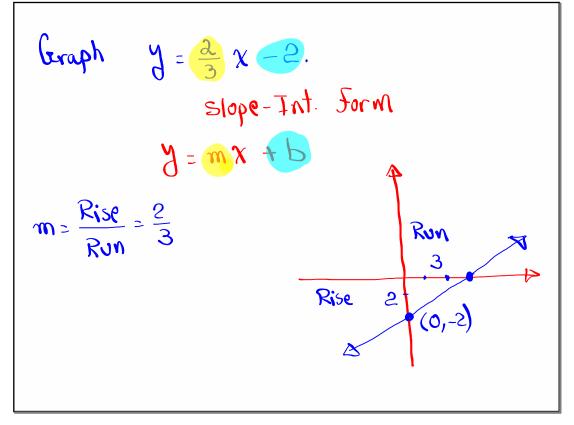
Feb 19-8:47 AM

Some Review  
1) Solve 
$$3x - 8 = x + 14$$
  
 $3x - x = 14 + 8$   
 $2x = 22$   
 $x = \frac{22}{2}$   $x = 11$   
2) Solve  $2x^2 = 5x + 1$   
 $2x^2 - 5x - 1 = 0$   
 $(2x - 1)(x + 1) = 0$   
By Zero-Product Rule  
 $2x - 1 = 0$  OR  $x + 1 = 0$   
 $x = \frac{1}{2}$   $x = -1$   $2\sum_{n=1}^{n-1} \frac{1}{2}$ 

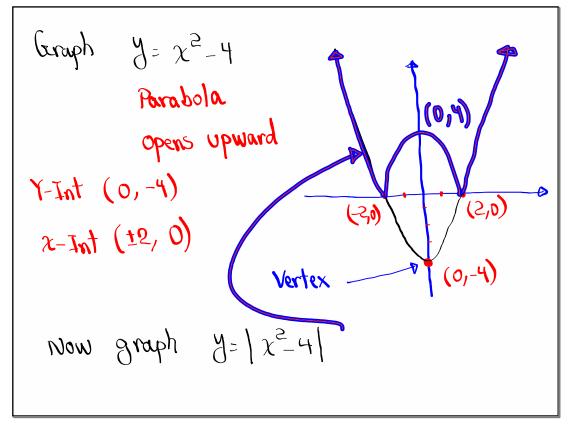


Feb 6-8:55 AM





Feb 6-9:05 AM



Consider the	right triangle below:
x=25 A 24	<ol> <li>1) find its hypotenuse</li> <li>24<sup>2</sup> t T<sup>2</sup> = x<sup>2</sup> → x = 25</li> <li>Pythagorean Thrm</li> <li>2) find all Six trig. Functions</li> </ol>
	Sor the marked angle
$SinA = \frac{7}{25}$	$\operatorname{Csc} A = \frac{25}{7}$
$C_{05}R = \frac{24}{25}$	Sec A = $\frac{a5}{a4}$
$\tan A = \frac{7}{24}$	$\cot A = \frac{24}{7}$

Feb 6-9:17 AM

$$\theta = 330^{\circ}$$
1) Draw  $\theta$  in Standard Position.  

$$\theta = 330^{\circ}$$
2) Give its Reference Angle.  

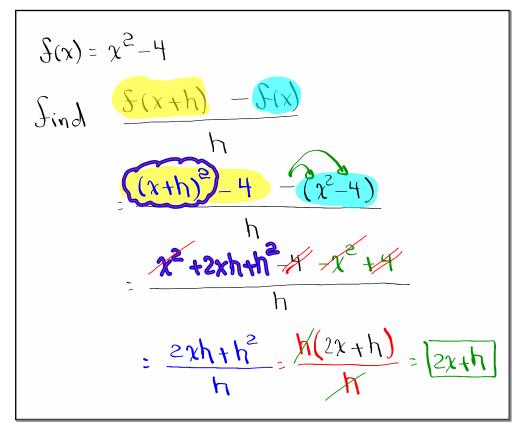
$$\theta = 330^{\circ}$$

$$\theta = 3$$

Solve 
$$\tan x = 1$$
 in  $[0^{\circ}, 360^{\circ}]$   
R.A. 45°  
 $\tan x > 0$  in  
QI,QIII  $25^{\circ}$   $45^{\circ}$   
 $\{45^{\circ}, 225^{\circ}\}$  Convert to  
Radians  $\{\frac{\pi}{4}, 5\frac{\pi}{4}\}$   
 $90^{\circ} = \frac{\pi}{2}$  Rad.  $205^{\circ} = 5(45^{\circ})$   
Divide by  $2$   
 $45^{\circ} = \frac{\pi}{4}$  Rad.  $-5\frac{\pi}{4} = \frac{5\pi}{4}$ 

## Feb 6-9:30 AM

Simplify 
$$\frac{\chi^2 - 10\chi + 24}{\chi^2 - 16}$$
  
=  $\frac{(\chi - 6)(\chi - 4)}{(\chi - 4)(\chi + 4)} = \frac{\chi - 6}{\chi + 4}$   
Simplify  $\frac{1}{\chi} - 1$   $\chi \cdot \frac{1}{\chi} - \chi \cdot 1$   
 $\chi - 1 = \chi(\chi - 1)$   
LCD= $\chi$  =  $\frac{1 - \chi}{\chi(\chi - 1)}$   
=  $\frac{-1(\chi - 1)}{\chi(\chi - 1)}$ 



Feb 6-9:41 AM

