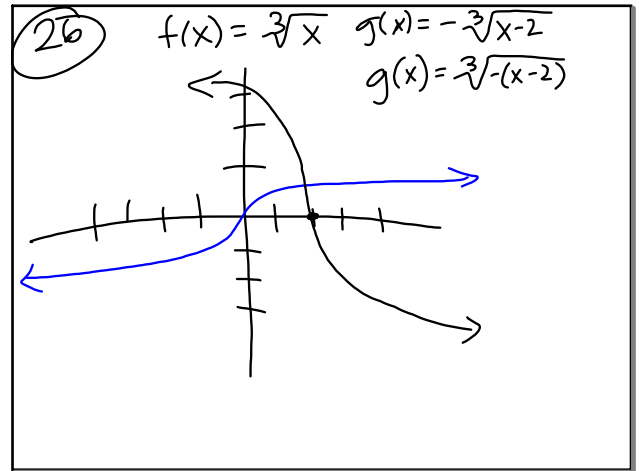
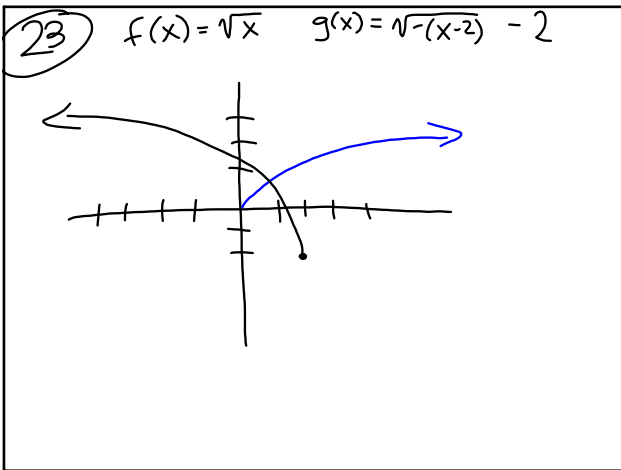


Nov 7-9:10 AM



Nov 7-9:47 AM



Nov 7-9:50 AM

Vertical: solving for x  
or setting equal to zero

horizontal •  $\frac{\text{highest } x}{\text{highest } x} = \frac{(3x)+1}{x^2-9} = \frac{3x}{x^2}$

HA = 0 if x is higher in the bottom

$\frac{3}{x+2} \cdot \frac{3}{x} = 0 = \text{HA}$

$\frac{2x^2}{4x^2+10} = \frac{2x^2}{4x^2} = \frac{1}{2} = \text{HA}$

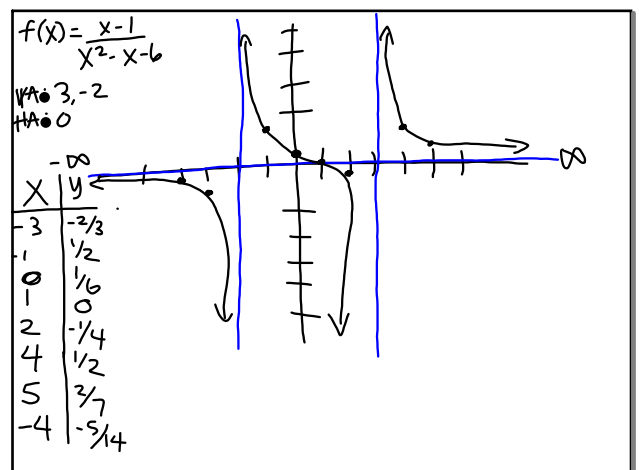
Nov 7-9:53 AM

$f(x) = \frac{x-1}{x^2-x-6}$  VA: 3, -2  
HA: 0

VA:  
 $\begin{array}{r} -6 \\ \times 2 \\ \hline -12 \end{array}$ 
 $(x-3)(x+2)$   
 $x-3 \neq 0 \quad x \neq 3, -2$   
 $\begin{array}{r} +3 \\ +3 \\ \hline -2 \end{array}$   
 $x+2 \neq 0$

HA: 0  
 leading term / leading term  
 $\frac{x}{x^2} = 0$

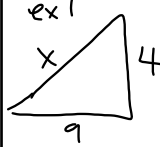
Nov 7-9:58 AM



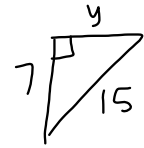
Nov 7-10:02 AM

$f(x) = g(x)$   
 Same pt. on the graph  
 $f(x) = -2x + 4$  #6  
 $g(x) = x^2 + 3$   
 $(-4, 3.17) \cup (-2.41, 8.83)$

Nov 7-10:12 AM

Calendar math  
 Pyth thm:  
 $a^2 + b^2 = c^2$   
 ex 1 find x  
  
 $9^2 + 4^2 = x^2$   
 $81 + 16 = x^2$   
 $\sqrt{97} = \sqrt{x^2}$      $x = 9.85$

Nov 7-10:16 AM

ex 2  
  
 Find y  
 $y = 13.27$

Nov 7-10:18 AM