

13. $g(x) = \frac{1}{x+3}$
 (LEFT 3)

14. $g(x) = \frac{1}{x-4} - 3$
 (RIGHT 4 DOWN 3)

15. $h(x) = \frac{1}{(x-1)^2} - 2$
 (RIGHT 1 DOWN 2)

16. $f(x) = \frac{(2x^2)}{(x^2-4)}$

$\frac{x-i\sqrt{1}}{0} = \frac{2x^2}{x^2-4}$

$0 = 2x^2$
 $0 = x^2$

$x = \pm\sqrt{0}$

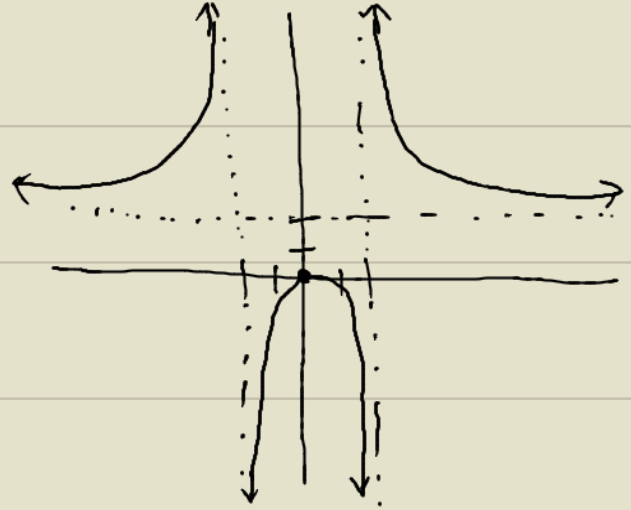
$x = 0$

$\frac{y-i\sqrt{1}}{0} = \frac{2(0)^2}{0^2-4}$

$y = 0$

VA
 $x^2-4=0$
 $(x+2)(x-2)=0$
 $x+2=0 \quad x-2=0$
 $x=-2 \quad x=2$

HA
 $y = \frac{2}{1}$
 $y = 2$



17. $f(x) = \frac{(x-3)}{(x^2-6x+8)}$

$\frac{x=5}{y} = \frac{5-3}{5^2-6(5)+8} = \frac{2}{3}$

$\frac{x-i\sqrt{1}}{0} = \frac{x-3}{x^2-6x+8}$

$0 = x-3$

$3 = x$

$\frac{y-i\sqrt{1}}{0} = \frac{0-3}{0^2-6(0)+8}$

$y = -\frac{3}{8}$

VA
 $x^2-6x+8=0$
 $(x-2)(x-4)=0$
 $x-2=0 \quad x-4=0$
 $x=2 \quad x=4$

HA
 $y = 0$

