

ex. graph
$$y = \frac{1}{2x-5}$$

graph $y = 2x-5$
draw the invariant lines
 $@ y = \pm 1 - place the
invariant points where the
parent function crosses $y = \pm 1$
 $\Rightarrow vertical asymptote where
 $2x-5 = \circ = + x = \frac{6}{2}$
find $y:int: x = \circ$
 $y = \frac{1}{2x-5} = -\frac{1}{5} \Rightarrow (0, -\frac{1}{5})$
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ex. graph $y = \frac{1}{x^2+2x-3}$
 $graph the demonstration$
 $y = -x^2+2x-3$
 $= (x-1)(x+3)$
 $\Rightarrow 2ercres @ [x =] and [x = -3]$
 $y = (-1)^2 + 2(-1) - 3$
 $y = (-1)^2 + 2(-1) - 3$
 $y = -4$
 $x = -1$
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