

- Sketch the graph of $y = \frac{2x-4}{x-5}$.

SPECIAL FEATURES WILL SHOULD BE ABLE TO QUICKLY

IDENTIFY BY NOW...

DOMAIN = All real numbers, except $x=5$
 $(-\infty, 5) \cup (5, \infty)$

V.A. $x=5$

H.A. $y = \frac{2}{1} \Rightarrow y=2$

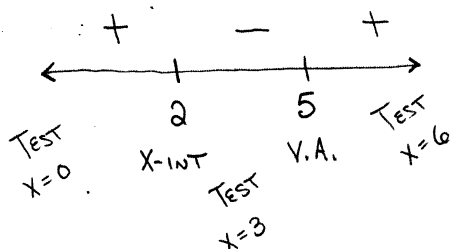
X-INTERCEPTS: $y=0 \Rightarrow 2x-4=0 \Rightarrow x=2$
 $(2, 0)$

Y-INTERCEPT: $x=0 \Rightarrow y = \frac{-4}{-5} = \frac{4}{5}$
 $(0, 4/5)$

STEP 6

SIGN CHART

Sign
of y



STEP 8

x	y
2	0
0	$4/5$
3	-1
4	-4
6	8

