

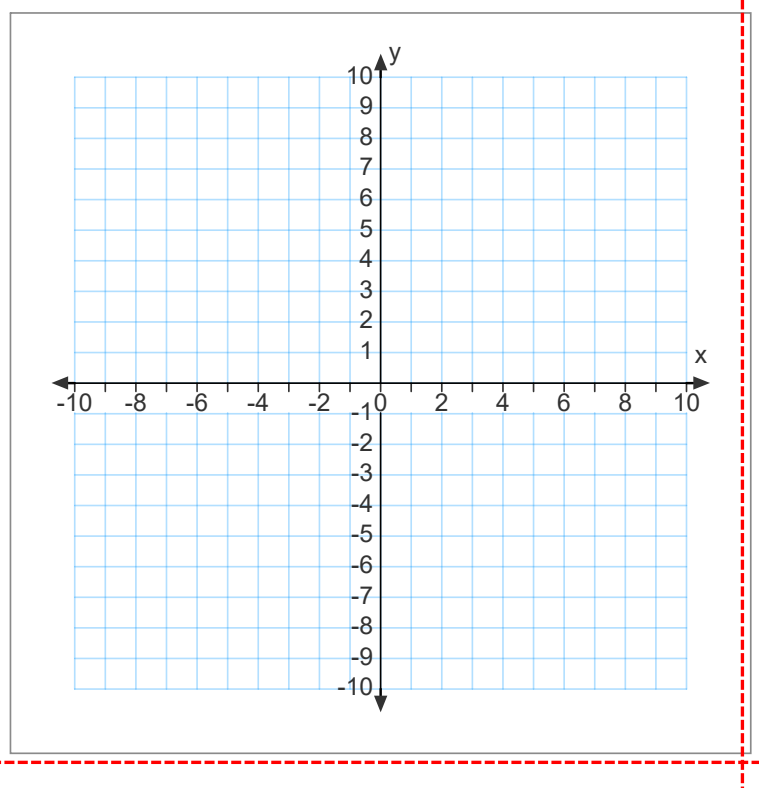
5.3 Graphs of the form: $f(x) = \frac{ax + b}{cx + d}$

Math Learning Target:



"I can easily determine horizontal asymptotes when the function is of the above form. Moreover, I can graph functions of the above form."

Ex.1: Graph $y = \frac{6x - 1}{2x - 3}$



Do: p. 272 #1, 5ad, 6, 8*, 9, 10**.

Enrich Yourself!... p. 274 #12, 13, 14***

Answers that need to be corrected in the text:

8* $f(x)$ has a VA at $x=1$; $g(x)$ has a HA at $y=0.5$.

Also, $f(x)$ has a HA at $y=3$; $g(x)$ has a VA at $x=-1.5$

10** The concentration increases over the 24 h period and approaches approx. 1.85 mg/L

14***a) $f(x)$ and $m(x)$

b) $g(x)$