$$f(x) = \frac{2x-1}{x+3}$$

and sketch the graph.

1. Since the denominator is equal to 0 when x=-3, the line x=-3 is a vertical asymptote.

2. Note that 
$$f(x) = \frac{2x-1}{x+3} = \frac{\frac{2x-1}{x}}{\frac{x+3}{x}} = \frac{2-\frac{1}{x}}{1+\frac{3}{x}}$$
.

3. When x is a very large positive number or a very large negative number,

$$f(x) = \frac{2 - \frac{1}{x}}{1 + \frac{3}{x}}$$
 is nearly equal to 2. So  $y = 2$  is a horizontal asymptote.

