

68. If $\lim_{x \rightarrow 0} \frac{f(x)}{x^2} = -2$ then

$$\lim_{x \rightarrow 0} f(x) = \lim_{x \rightarrow 0} x^2 \frac{f(x)}{x^2} = 0 \times (-2) = 0,$$

$$\text{and similarly, } \lim_{x \rightarrow 0} \frac{f(x)}{x} = \lim_{x \rightarrow 0} x \frac{f(x)}{x^2} = 0 \times (-2) = 0.$$