

Calculate the following limits, if they exist.

(a) $\lim_{x \rightarrow 5} x^2 + 3 + 2x$

(b) $\lim_{x \rightarrow a} x^2 + (-1 - a)x + a$

(c) $\lim_{x \rightarrow 8} \sqrt{1 + x}$

(d) $\lim_{x \rightarrow -5} \sqrt{4 + x}$

(e) $\lim_{x \rightarrow 0} \frac{1}{1+x}$

(f) $\lim_{x \rightarrow 0} \frac{x^2 + x}{-2x}$

(g) $\lim_{x \rightarrow 6} \sqrt{|2 - x|}$