

Find the limits.

1. $\lim_{x \rightarrow -7} (2x + 5)$

2. $\lim_{t \rightarrow 6} 8(t - 5)(t - 7)$

3. $\lim_{y \rightarrow -5} \frac{y^2}{5 - y}$

4. $\lim_{y \rightarrow -3} (5 - y)^{4/3}$

5. $\lim_{h \rightarrow 0} \frac{3}{\sqrt{3h + 1} + 1}$

6. $\lim_{x \rightarrow 5} \frac{x - 5}{x^2 - 25}$

7. $\lim_{t \rightarrow 1} \frac{t^2 + t - 2}{t^2 - 1}$

8. $\lim_{x \rightarrow 1} \frac{x - 1}{\sqrt{x + 3} - 2}$

9. If $2 - x^2 \leq g(x) \leq 2 \cos x$ for all x , find $\lim_{x \rightarrow 0} g(x)$