Note Check → 1.2

Ex 2: $\lim_{x \to 2} (x^5 - 3x + 4)^3$

Ex 4: $\lim_{x \to 1} \sqrt[3]{\frac{5x+7}{x^2+1}}$

Ex 5: $\lim_{x \to 2} \frac{x^2 - 4}{x - 2}$

Ex 7: $\lim_{x \to 5} \frac{x^2 - 3x - 10}{x^2 - 10x + 25}$

Ex 9: $\lim_{x \to 0} \frac{\sqrt{1+x} - 1}{x}$

Ex 11: $\lim_{x \to 1} \cos\left(\frac{x^2-1}{x-1}\right)$

$\cos[\quad]$

Ex 14: $\lim_{x \to 0} \frac{\sin(2x)}{x}$

Ex 15: $\lim_{x \to 0} \frac{\sin(5x)}{\sin(6x)}$

Ex 17: $\lim_{x \to 0} \frac{\sin^2 x}{x}$

Ex 20: $\lim_{x \to 0} \frac{2 - \cos(3x) - \cos(4x)}{x}$

Ex 22: $\lim_{T \to 0} \frac{T^2}{1 - \cos^2 T}$

Ex 24: $\lim_{\theta \to 0} \frac{\theta^2}{1 - \cos\theta}$