Limits of Trig Functions

1. $\lim_{x \to 0} \frac{\sin^3 x}{(2x)^3}$

2. $\lim_{x \to 0} \frac{\sin x}{\sqrt[3]{x}}$

3. $\lim_{x \to 0} \frac{3x + \sin x}{x}$

4. $\lim_{x \to 0} \frac{2 + \sin x}{3 + x}$

5. $\lim_{x \to 0} \frac{2\cos x - 2}{3x}$

6. $\lim_{x \to 0} \frac{\sin(-3x)}{4x}$

7. $\lim_{x \to 0} \frac{4x^2 + 3x \sin x}{x^2}$

8. $\lim_{x \to 0} \frac{\cos x}{1 - \sin x}$

9. $\lim_{x \to 0} \frac{1 - \cos 3x}{x}$

10. $\lim_{x \to 0} \frac{x \sin x}{x^2 + 1}$

11. $\lim_{x \to 0} \frac{1 - 2x^2 - 2\cos x + \cos^2 x}{x^2}$

12. $\lim_{x \to 0} \frac{1 - \cos x}{\sin x}$

13. $\lim_{x \to 0} \frac{x + \tan x}{\sin x}$

14. $\lim_{x \to 0} x \cot x$

15. $\lim_{x \to 0} \frac{\sin^2 x}{x^2}$

16. $\lim_{x \to 0} \frac{\csc 2x}{\cot x}$