

EXERCISES

Find the following limits if they exist:

1. $\lim_{x \rightarrow 0} \frac{\sin 6x}{\sin 2x}$

2. $\lim_{x \rightarrow 0} \frac{1 - \cos^2 2x}{x^2}$

3. $\lim_{t \rightarrow 0} \frac{3 \tan 3t - 2 \sin t}{t}$

4. $\lim_{x \rightarrow 0} \frac{1 - \cos x}{\sin x}$

5. $\lim_{x \rightarrow 0} (x^2 + 1) \frac{\tan x}{x}$

6. $\lim_{x \rightarrow \frac{\pi}{4}} \frac{\sin x - \cos x}{\cos 2x}$

7. $\lim_{x \rightarrow 1} \frac{\sin(x-1)}{x^2 + x - 2}$

Preview from Notesale.co.uk
Page 5 of 5