

Exercise 12

Finding the limit of a function algebraically



From the school book

Understand

Apply

Higher Order Thinking Skills

First Multiple choice questions

Choose the correct answer from the given ones :

(1) $\lim_{x \rightarrow \frac{1}{2}} (10) = \dots\dots\dots$

- (a) 5 (b) 20 (c) 10 (d) $10\frac{1}{2}$

(2) $\lim_{x \rightarrow 4} (3x - \sqrt{x}) = \dots\dots\dots$

- (a) 8 (b) 10 (c) 14 (d) 16

(3) $\lim_{x \rightarrow -2} \frac{1}{|x|} = \dots\dots\dots$

- (a) 1 (b) -1 (c) $\frac{1}{2}$ (d) $-\frac{1}{2}$

(4) $\lim_{x \rightarrow -2} \frac{3x^2 - 12}{x + 2} = \dots\dots\dots$

- (a) 18 (b) -3 (c) 12 (d) -12

(5) $\lim_{x \rightarrow 2} \sqrt{\frac{3+2x}{4x-1}} = \dots\dots\dots$

- (a) -3 (b) 1 (c) $\frac{1}{2}$ (d) $-\frac{1}{2}$

(6) $\lim_{x \rightarrow 3} \frac{2x-6}{7x-21} = \dots\dots\dots$

- (a) $\frac{2}{3}$ (b) $\frac{2}{7}$ (c) $\frac{3}{7}$ (d) 3