

[1]. Suppose $H(t) = t^2 + 5t + 1$. Find the limit $\lim_{t \rightarrow 2} H(t)$.

- (a) 15 (b) 1 (c) 9 (d) 6 (e) $2t + 5$

[2]. Find the limit $\lim_{t \rightarrow 2} \frac{t^2 - 4}{t - 2}$.

- (a) 2 (b) 4 (c) 6 (d) 8 (e) The limit does not exist

[3]. Find the limit $\lim_{x \rightarrow 5} \frac{x - 5}{x^2 - 25}$.

- (a) $-\frac{1}{10}$ (b) $-\frac{1}{5}$ (c) 0 (d) $\frac{1}{5}$ (e) $\frac{1}{10}$

[4]. Compute $\lim_{x \rightarrow 3} \frac{x^2 - 7x + 12}{x - 3}$.

- (a) 0 (b) 1 (c) -1 (d) 2 (e) The limit does not exist

[5]. Find $\lim_{r \rightarrow 1} \frac{r^2 - 3r + 2}{r - 1}$.

- (a) 1 (b) 0 (c) -1 (d) 2 (e) The limit does not exist

[6]. Find the limit or state that it does not exist: $\lim_{x \rightarrow 4} \frac{x^2 + x - 20}{x - 4}$.

- (a) 8 (b) -20 (c) -15 (d) 9 (e) Does Not Exist

[7]. Compute $\lim_{x \rightarrow 0} \left(\frac{2x^2 - 3x + 4}{x} + \frac{5x - 4}{x} \right)$.

- (a) 5 (b) 4 (c) 3 (d) 2 (e) 1

[8]. Compute $\lim_{h \rightarrow 0} \frac{(h + 4)^2 - 16}{h}$.

- (a) 4 (b) 5 (c) 6 (d) 7 (e) 8

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