1. What is a limit?

[5]

2. $\lim_{x\to 2} \frac{x^2-x-2}{x-2} = 3$. Describe what this means in words

[1]

[1]

3. Evaluate:

A.
$$\lim_{x\to 0} \frac{x^2+3x}{x}$$

B.
$$\lim_{x\to 3} \frac{x^2 - 3x}{x - 3}$$

C.
$$\lim_{h\to 0} \frac{h^5+2h}{h}$$

D.
$$\lim_{t \to 4} \frac{t^2 - 16}{t - 4}$$

E.
$$\lim_{x \to -1} \frac{x^2 + 4x + 3}{x^2 - 1}$$