ARMS
ACADEMY

Calc1 (engineering)

Exercise Week 1

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1/ $\lim\limits_{x \to -2} \left(x^3 - 2x^2 + 4x + 3\right)$

2/ $\lim\limits_{x \to 0} x \sin\left(\dfrac{7}{x}\right)$

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$$3/\ \lim_{x\to 0}\left(x^2-1\right)\left(3-\cos x\right)$$

$$4/\ \lim_{x\to -3}\frac{2+\sqrt{x^2-5}}{x+4}$$

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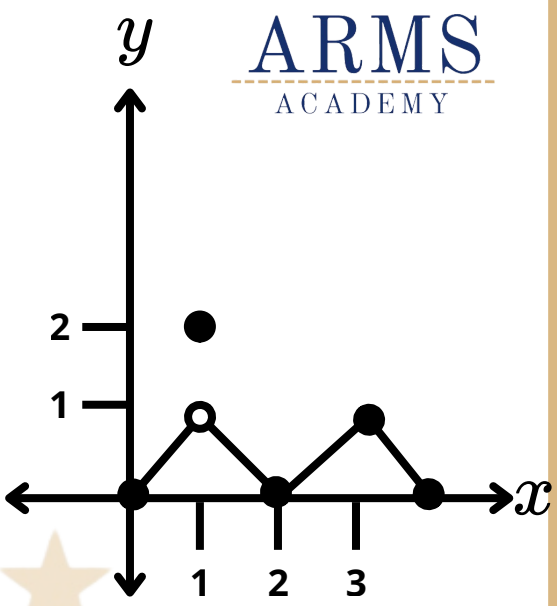
$$5/\lim_{x\to c}\frac{x^5+x^2-3}{x^2+5}$$

$$6/\lim_{x\to 1}\frac{\sqrt{5x}\,(x-1)}{(x-1)}$$

7/ For the function f(x) graphed down.find the following limits



$a/\ \lim_{x \to 0} f(x) =$

$b/\ \lim_{x \to 1} f(x) =$

$c/\ \lim_{x \to 2} f(x) =$

$d/\ \lim_{x \to 3} f(x) =$

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استثمر في تعليمك اليوم ،لتحصد ثمار ذلك غداً

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