



## نهاية دالة عند نقطة

$$\lim_{x \rightarrow 7} 3 = \dots \quad [1]$$

a 3

b 7

c 4

d 10

$$\lim_{x \rightarrow 2} (-x^3 + 4) = \dots \quad [2]$$

a 4

b -4

c 12

d -12

$$\lim_{x \rightarrow 5} \frac{x+1}{x^2+3} = \dots \quad [3]$$

a  $\frac{3}{4}$ b  $\frac{2}{14}$ c  $\frac{3}{14}$ d  $\frac{4}{3}$ 

$$\lim_{x \rightarrow -1} \sqrt{x+3} = \dots \quad [4]$$

a  $\sqrt{5}$ 

b غير معروفة

c 2

d  $\sqrt{2}$ 

$$\lim_{x \rightarrow 2} \frac{x^2-4}{x-2} = \dots \quad [5]$$

a -4

b  $-\frac{1}{4}$ c  $\frac{1}{4}$ 

d 4

$$\lim_{x \rightarrow 3} \frac{x^2-2x-3}{x^2-3x} = \dots \quad [6]$$

a  $\frac{4}{3}$ b  $\frac{3}{4}$ c  $\frac{2}{14}$ d  $\frac{3}{14}$ 

$$\lim_{x \rightarrow 25} \frac{x-25}{\sqrt{x}-5} = \dots \quad [7]$$

a 10

b -10

c  $\frac{1}{10}$ d  $-\frac{1}{10}$ 

$$\lim_{x \rightarrow 0} \frac{2 - \sqrt{x+4}}{x} = \dots \quad [8]$$

a -4

b  $-\frac{1}{4}$ c  $\frac{1}{4}$ 

d 4

$$\lim_{x \rightarrow \frac{1}{2}} \frac{2x^2+5x-3}{2x^2-x} = \dots \quad [9]$$

a  $\frac{1}{2}$ b  $\frac{7}{2}$ 

c 7

d  $\frac{3}{2}$ 

$$\lim_{x \rightarrow 2} f(x) = \dots \quad \text{فإن } f(x) = \begin{cases} 2x+1 & , x > 2 \\ x-3 & , x \leq 2 \end{cases} \quad \text{إذا كانت :} \quad [10]$$

a غير معروفة

b -1

c 5

d 2

