



الف)  $\lim_{x \rightarrow 2^+} \epsilon x - 3 \rightarrow 5 \checkmark$

(1) (2)

ب)  $\lim_{x \rightarrow 2^-} \epsilon x - 3 \rightarrow 5 \checkmark$

الف)  $\lim_{x \rightarrow 2^+} \epsilon [x] - 3 = 5 \checkmark$

(2) (2)

ب)  $\lim_{x \rightarrow 2^-} \epsilon [x] - 3 \rightarrow 1 \checkmark$

الف)  $\lim_{x \rightarrow 2^+} [\epsilon x - 3] \rightarrow 5 \checkmark$

(2) (3)

ب)  $\lim_{x \rightarrow 2^-} [\epsilon x - 3] \rightarrow 4 \checkmark$

الف)  $[\lim_{x \rightarrow 2^+} \epsilon x - 3] \rightarrow 5 \checkmark$

(2) (4)

ب)  $[\lim_{x \rightarrow 2^-} \epsilon x - 3] \rightarrow 5 \checkmark$

$\underbrace{\hspace{10em}}_5$

Wednesday June 05

چهارشنبه

خرداد

16

الأربعاء

ذيقعدة

27





$$\text{الف) } \lim_{x \rightarrow 3} \frac{x^2 - 3}{x - 3} \rightarrow +\infty \checkmark$$

5

$$\lim_{x \rightarrow 3^-} -\infty \checkmark$$

2

$$\text{ب) } \lim_{x \rightarrow 3} \frac{x - 3}{(x - 3)^2} \rightarrow +\infty \checkmark$$

$$\text{الف) } \lim_{x \rightarrow 3} \frac{x - 3}{\sqrt{x - 3}} \rightarrow \lim_{x \rightarrow 3^+} \rightarrow +\infty \checkmark$$

4

$$\lim_{x \rightarrow 3^-} \rightarrow 0^-$$

2

$$\text{ب) } \lim_{x \rightarrow 3} \frac{x - 3}{\sqrt{x^2 - 5x + 3}} \rightarrow \lim_{x \rightarrow 3^+} \rightarrow +\infty \checkmark$$

$$\lim_{x \rightarrow 3^-} \rightarrow 0^-$$

$$\lim_{x \rightarrow 3} \frac{x - 3}{x^2 - \sqrt{x} + 1} \rightarrow \lim_{x \rightarrow 3^+} \rightarrow +\infty \checkmark$$

5

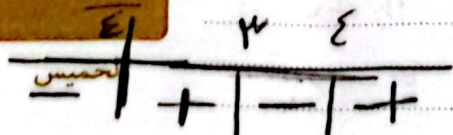
$$\lim_{x \rightarrow 3^-} \rightarrow +\infty \checkmark$$

1, 2

06 June Thursday

17 خرداد

28 ذيقعدة



$\frac{9}{[0]} = 0^-$

$$\lim_{x \rightarrow 3^+} \rightarrow +\infty \checkmark$$



$$\text{ب) } \lim_{x \rightarrow 3} \frac{x - 3}{[x - 3]} \rightarrow \lim_{x \rightarrow 3} - 9 \checkmark$$

$$1) \lim_{n \rightarrow 2} [2n] + [-2n] \quad (2) \quad (1)$$

$$\lim_{n \rightarrow 2^+} \rightarrow 9 + (-7) = 2 \checkmark$$

$$\lim_{n \rightarrow 2^-} \rightarrow 1 + (-9) = -8 \checkmark$$



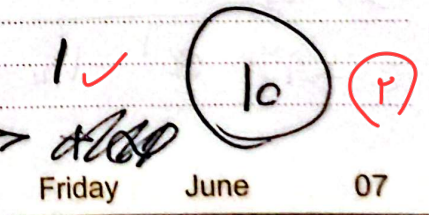
$$2) \lim_{n \rightarrow -4} [-2n] + [2n] \rightsquigarrow \lim_{n \rightarrow -4^+} \rightarrow 8 + (-12) = -4$$

$$\lim_{n \rightarrow -4^-} \rightarrow 8 + (-12) = -4 \checkmark$$

$$الف) \lim_{n \rightarrow 2} [n^2 - 2n] \rightsquigarrow \lim_{n \rightarrow 2^+} \rightarrow 0 \quad (9) \quad (2)$$

$$\lim_{n \rightarrow 2} \rightarrow -2 \checkmark$$

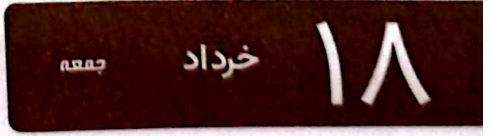
$$الف) \lim_{n \rightarrow 2} \frac{|n-2|}{n^2 - 3n + 2} \rightsquigarrow \lim_{n \rightarrow 2^+} \rightarrow 1 \checkmark \quad (10) \quad (2)$$



$$(n-2)(n-1)$$

$$\frac{1}{+} \quad \frac{2}{-} \quad \frac{1}{+}$$

$$\lim_{n \rightarrow 2^-} \rightarrow -1 \checkmark$$



جمعه خرداد 18 ذيقعدة 29



شهادت حضرت امام محمد تقی علیه السلام «جواد الائمه» (ه ق)



ب)  $\lim_{x \rightarrow 1} \frac{x - [x]}{x^2 - 1} \rightarrow \lim_{x \rightarrow 1^+} \rightarrow \frac{1}{2}$  ✓  
 $\lim_{x \rightarrow 1} \rightarrow \frac{1}{2} - \infty$  ✓

$\hookrightarrow (x-1)(x+1)$

|    |   |
|----|---|
| -1 | 1 |
|    |   |

سوال 9 قسمت ب

$\lim_{x \rightarrow 3} [4x - x^2] \rightarrow \lim_{x \rightarrow 3^+} \rightarrow 1$  ✓

$\lim_{x \rightarrow 3^-} \rightarrow 1$  ✓

Sobhan Kaiesi

08 June Saturday

19 شنبه خرداد

01 السبت ذیحجه



الروز ازدواج حضرت امام علی علیه السلام و حضرت فاطمه سلام الله علیها (۲هـ ق) و روز ازدواج