

۲. آخرین ضلع خوب نوشتار!

مادران با حسن نگارند! گروه ۷

1) $2n^2 - 8n - 12 = 0$ $n^2 - 4n - 6 = 0$ $(n-1)(n+5)$ $\frac{+1}{-6} = \frac{+1}{-6}$ ✓	2) $2n^2 - 8n - 12 = 0$ $n^2 - 4n - 6 = 0$ $(n-1)(n+5)$ $\frac{+1}{-6} = \frac{+1}{-6}$ ✓	3) $2n^2 - 8n - 12 = 0$ $n^2 - 4n - 6 = 0$ $(n-1)(n+5)$ $\frac{+1}{-6} = \frac{+1}{-6}$ ✓	4) $2n^2 - 8n - 12 = 0$ $n^2 - 4n - 6 = 0$ $(n-1)(n+5)$ $\frac{+1}{-6} = \frac{+1}{-6}$ ✓
5) $2n^2 + 5n - 12 = 0$ $n^2 + \frac{5}{2}n - 6 = 0$ $(n+3)(n-4)$ $\frac{-3}{+4} = \frac{-3}{+4}$ ✓	6) $2n^2 + 5n - 12 = 0$ $n^2 + \frac{5}{2}n - 6 = 0$ $(n+3)(n-4)$ $\frac{-3}{+4} = \frac{-3}{+4}$ ✓	7) $2n^2 + 5n - 12 = 0$ $n^2 + \frac{5}{2}n - 6 = 0$ $(n+3)(n-4)$ $\frac{-3}{+4} = \frac{-3}{+4}$ ✓	8) $2n^2 + 5n - 12 = 0$ $n^2 + \frac{5}{2}n - 6 = 0$ $(n+3)(n-4)$ $\frac{-3}{+4} = \frac{-3}{+4}$ ✓

A.B = {(1,1), (1,2), (1,3), (1,4), (1,5), (1,6), (2,1), (2,2), (2,3), (2,4), (2,5), (2,6), (3,1), (3,2), (3,3), (3,4), (3,5), (3,6), (4,1), (4,2), (4,3), (4,4), (4,5), (4,6), (5,1), (5,2), (5,3), (5,4), (5,5), (5,6), (6,1), (6,2), (6,3), (6,4), (6,5), (6,6)}

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(A.B) - A = \{(1,1), (1,2), (1,3), (1,4), (1,5), (1,6), (2,1), (2,2), (2,3), (2,4), (2,5), (2,6), (3,1), (3,2), (3,3), (3,4), (3,5), (3,6), (4,1), (4,2), (4,3), (4,4), (4,5), (4,6), (5,1), (5,2), (5,3), (5,4), (5,5), (5,6), (6,1), (6,2), (6,3), (6,4), (6,5), (6,6)\}

10) $f(n) = \{(1,1), (1,2), (1,3), (1,4), (1,5), (1,6), (2,1), (2,2), (2,3), (2,4), (2,5), (2,6), (3,1), (3,2), (3,3), (3,4), (3,5), (3,6), (4,1), (4,2), (4,3), (4,4), (4,5), (4,6), (5,1), (5,2), (5,3), (5,4), (5,5), (5,6), (6,1), (6,2), (6,3), (6,4), (6,5), (6,6)\}$ $(-1,1)$ $n^2 - n - 2 = 0$ $(n-2)(n+1) = 0$ $n = 2$ ✓	11) $f(n) = \{(1,1), (1,2), (1,3), (1,4), (1,5), (1,6), (2,1), (2,2), (2,3), (2,4), (2,5), (2,6), (3,1), (3,2), (3,3), (3,4), (3,5), (3,6), (4,1), (4,2), (4,3), (4,4), (4,5), (4,6), (5,1), (5,2), (5,3), (5,4), (5,5), (5,6), (6,1), (6,2), (6,3), (6,4), (6,5), (6,6)\}$ $(-1,1)$ $n^2 - n - 2 = 0$ $(n-2)(n+1) = 0$ $n = 2$ ✓
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12) $f(n) = \{(1,1), (1,2), (1,3), (1,4), (1,5), (1,6), (2,1), (2,2), (2,3), (2,4), (2,5), (2,6), (3,1), (3,2), (3,3), (3,4), (3,5), (3,6), (4,1), (4,2), (4,3), (4,4), (4,5), (4,6), (5,1), (5,2), (5,3), (5,4), (5,5), (5,6), (6,1), (6,2), (6,3), (6,4), (6,5), (6,6)\}$ $(-1,1)$ $n^2 - n - 2 = 0$ $(n-2)(n+1) = 0$ $n = 2$ ✓	13) $f(n) = \{(1,1), (1,2), (1,3), (1,4), (1,5), (1,6), (2,1), (2,2), (2,3), (2,4), (2,5), (2,6), (3,1), (3,2), (3,3), (3,4), (3,5), (3,6), (4,1), (4,2), (4,3), (4,4), (4,5), (4,6), (5,1), (5,2), (5,3), (5,4), (5,5), (5,6), (6,1), (6,2), (6,3), (6,4), (6,5), (6,6)\}$ $(-1,1)$ $n^2 - n - 2 = 0$ $(n-2)(n+1) = 0$ $n = 2$ ✓
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$f(x) = \begin{cases} x-1 & x \leq 1 \\ ax+b & 1 < x < 2 \\ x^2 & x \geq 2 \end{cases}$

if $x \leq 1 \Rightarrow x-1 \in [a, b]$
 $1-1 = a+b \Rightarrow a+b = 0$

if $x \geq 2$
 $a+b = 1$
 $a = 1$
 $b = 0$

$a, b \in \mathbb{R}$

$f(x) = \begin{cases} x^2 & x \leq 1 \\ ax+b & 1 < x < 2 \\ x^2 & x \geq 2 \end{cases}$

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 $x \geq 2 \Rightarrow x^2 \in [a, b]$

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 $x \geq 2 \Rightarrow x^2 \in [a, b]$

$y'' + (x+1)y' = 0$ (D)

$y' = u$
 $y' = \sqrt{1 - \cos x}$

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 $y = \int \sqrt{1 - \cos x} dx$

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$y'' + cy = 0 \Rightarrow y' = \sqrt{1 - \cos x}$

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$\sqrt{\frac{a}{y}} + \sqrt{\frac{y}{a}} = r$

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 $\sqrt{\frac{a}{y}} = r - \sqrt{\frac{y}{a}}$

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