

الف) ۲, ۱۱, ۲۴, ۴۷, ۷۴

ب) $\frac{11}{9}, 1, \frac{5}{4}, \frac{3}{8}$

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الف) $\frac{(-1)^{13}}{\sqrt{16}} = \frac{-1}{4}$

ب) $24 - \left[\frac{13}{4} \right] = 23$

۲

الف) $2n - 10 < 0$

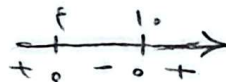
$2n < 10$

$n < 5$

۵, ۱۰

جمله ۴

ب) $(n-4)(n-10)$



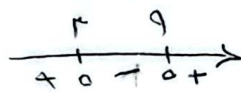
جمله ۵ $\rightarrow (4, 10)$

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الف) $2n - 14 \geq 0$

$n \geq 7 \rightarrow 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100$

ب) $(n-3)(n-9)$



جمله ۶ $\rightarrow [3, 9]$

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$t_f = 7$

$22 - 7 = 15$

$t_g = 22$

$\frac{15}{5} = 3$

$t_n = 3n - 5$

$t_p = ?$

$3 \times 3 - 5 = 4$

۵

$$31) \quad \frac{-b}{r_a} = \frac{4}{r} = 3 \quad 9 - 18 + r = -V$$

$$\therefore) \quad \frac{-b}{r_a} = \frac{-r}{r} = -r \quad r - 18 + 1 = -13$$

$$1) \quad -13 - 1 + 1 + 13 \quad r_a = r$$

$$t_n = n^r - 4n + 1$$

$$t_{10} = 100 - 40 + 1 = 61$$

$$+1 \quad +13 \quad +1 \quad +13 \quad r_a = 5$$

$$a = r$$

$$t_n = r_n^r - n - V$$

$$a + t = r_a + 1$$

$$a = 3$$

$$الف) \left[\frac{100}{r} \right] = 33$$

$$ب) \quad \frac{100}{a} = 20$$

$$ج) \left[\frac{100}{10} \right] = 9$$

$$د) \quad 33 + 20 - 9 = 44$$