

191700

نام و نام خانوادگی: تنایه حاجی بابایی پاسخنامه تشریحی تکلیف شماره 15 کلاس 10م دختره بنفین

$$\frac{x}{q}, x, xq \longrightarrow S_2 = \frac{x^2 + xq + xq^2}{q} = 21 \Rightarrow x^2 + xq + xq^2 = 21q$$

$$xq^2 - 14q + x^2 = 0 \quad 10$$

$$q = \frac{14 \pm \sqrt{196 - 4x^2}}{2} \quad 5$$

$$q \notin W \leftarrow q = \frac{1}{x}$$

$$\hookrightarrow -x = x^2 \quad 4x \Rightarrow x = 2$$

$$x^2 + x, x, x^2 - 1 \Rightarrow b^2 = ac$$

$$x^2 + x = \frac{1}{x} \quad x^2 - 1 = \frac{1}{x}$$

$$S_1 = 1 \left(\frac{(\frac{1}{x})^2 - 1}{\frac{1}{x} - 1} \right) = 1 \times \frac{\frac{1}{x^2} - 1}{\frac{1}{x} - 1} = \frac{-12V}{-1} = \frac{-12V}{-1} = 12V$$

$$x^2 - 1 = \frac{1}{x} \Rightarrow x^3 - x = 1 \Rightarrow x^3 - x - 1 = 0$$

$$x = \frac{1 \pm \sqrt{1 + 4}}{2} = \frac{1 \pm \sqrt{5}}{2}$$

$$x^2 = \frac{1 \pm \sqrt{5}}{2} \quad x = 2$$

$$1 + q + q^2 + q^3 + q^4 = \frac{121}{11}$$

$$\Rightarrow a + aq + aq^2 + aq^3 + aq^4 = a \times \frac{121}{11}$$

$$a = 121$$

$$S_5 = 121 \times \frac{121}{11} = 1331$$

$$1, -, -, \frac{A}{d}, -, -, 4x \rightarrow \text{حاجی} \quad d = \frac{4x - 1}{4} = 10, 8$$

$$1, -, -, \frac{B}{d}, -, -, 4x \rightarrow \text{فنیسی} \quad q^4 = \frac{4x}{1} = 4x \quad q = \pm 2$$

$$A = 1 + 3 \times 10, 8 = 32, 8$$

$$B = 1 \times (\pm 2)^3 = \pm 8$$

$$A + B = 32, 8 + 8 = 40, 8 \quad A + B = 32, 8 - 8 = 24, 8$$

$$\frac{9x}{x} \leftarrow -2x, \frac{-9d}{x}, -- \rightarrow \text{حاجی}$$

$$121, a_2, -- \rightarrow \text{فنیسی}$$

$$q = ?$$

$$-2x + 100d = 121 \times q^4$$

$$-2x + \frac{100}{x} = 121 \times q^4$$

$$d = \frac{1}{x}$$

$$121 \times q^4 = 1$$

$$q^4 = \frac{1}{121}$$

$$q = \frac{1}{11}$$

$$a+2d, a+4d, a+1d \rightarrow \text{سید}$$

$$b^r = ac \quad (a+4d)^r = (a+1d)(a+2d)$$

$$a^r + 4d^r + 1d^r = a^r + 1ad + 4d^r$$

$$d \begin{cases} 0 \\ -a \\ 10 \end{cases}$$

$$r0d^r + r0d^r = 0$$

$$d(r0d + r0a) = 0$$

$$d_2 = \frac{a}{10} \quad d_2 = 0 \quad r0d + r0a = 0 \quad r0d = -r0a$$

$$a+d, a+3d, a+5d \rightarrow \text{سید}$$

$$b^r = ac \quad (a+3d)^r = (a+d)(a+5d)$$

$$a^r + 9d^r + 5ad = a^r + 1ad + 5d^r$$

$$x0d^r = x0d^r$$

$$rd = \frac{1}{r} \quad d = \frac{1}{r} \quad a = \frac{1}{r} - \frac{1}{r} = \frac{1}{r}$$

$$t_0 = \frac{1}{r} \times r = \frac{1}{r}$$

$$r(aq), r(aq^r), aq^r \rightarrow \text{سید}$$

$$q = ?$$

$$r0b = a+c$$

$$r0aq^r = aq^r + r0aq$$

$$r0q = q^r + r$$

$$q^r - r0q + r = 0$$

$$q = \frac{r \pm \sqrt{r^2 - 4r}}{2}$$

$$q = r \quad q = 1$$

$$\frac{1}{r} \leftarrow r, \frac{V}{r}, \dots \rightarrow \text{سید} \quad a = r \quad d = -\frac{1}{r}$$

$$-r, -d, -\frac{r}{r}$$

$$q = \frac{d}{-r} = \frac{d}{r}$$

$$t_0 + r, t_1 + r, t_2 + r \rightarrow \text{سید}$$

$$b^r = ac$$

$$\frac{r+r(-\frac{1}{r})}{\frac{d}{r}} + r, \frac{r+V(-\frac{1}{r})}{\frac{d}{r}} + r, \frac{r+1r(-\frac{1}{r})}{-1} + r$$

$$q = ?$$

$$\left(\frac{1}{r} + r\right)^r = \left(\frac{d}{r} + r\right)(1+r) \quad \frac{1}{r} + r + \frac{r}{r} = \frac{d}{r} + \frac{r}{r} + \frac{r}{r} \Rightarrow 1 + 1r = \frac{d}{r} + \frac{r}{r} + \frac{r}{r}$$

$$a, aq^r, aq^4 \rightarrow S = Vr$$

$$a_1, a_r, a_v$$

$$t_1, t_r, t_0$$

$$d = ?$$

$$d = aq^r - a = \frac{aq^4 - aq^r}{1}$$

$$1aq^r - 1a = aq^4 - aq^r$$

$$1aq^r - 1a = q^4 - q^r$$

$$a, 1a, 4ra \rightarrow S = Vr$$

$$Vra = Vra \quad a = 1$$

$$q^4 - q^r + 1 = 0$$

$$q = \frac{r \pm \sqrt{r^2 - 4r}}{2}$$

$$d = 1 - 1 = 0$$

$$a, a, a$$