

 CamScanner

f) $a_d = 1 \quad a_v = 14/2$

میشود

$$\begin{aligned} ax^2 + bx + c &= 1x^2 + 0x + 0 \\ 1x^2 - 1x^2 &= -1 \\ \frac{1}{x} \times \frac{1}{x} &= -\frac{1}{x} = a \\ \frac{1}{x} &= a \\ \frac{1}{x} \times 10 &= 10 \times a = 1 \\ \frac{1}{10} \times 10 &= 1 \end{aligned}$$

$$\begin{aligned} 1x^2 - 1x^2 &= -1 \\ 19 &= 2b + c \\ 19 &= 2b + c \\ c &= -1 \\ \frac{1}{x} &= a \\ \frac{1}{x} &= a \\ \frac{1}{x} &= a \end{aligned}$$

$$\begin{aligned} 14/2 &= -\frac{1}{x} + vb + c \\ 14/2 &= -\frac{1}{x} + vb + c \\ 14/2 &= -\frac{1}{x} + vb + c \\ vb + c &= 14/2 \\ vb + c &= 14/2 \\ vb + c &= 14/2 \end{aligned}$$

د) $r_d + r_v = r_a + b$

د) $v_d + t_v = v_a + b$

$1 \cdot a + b = 2$

$r_d = 2a$

$b = 1 \cdot a$

$d = \frac{a}{r}$

$$\frac{12a + b}{d} \rightarrow \frac{12a + 1 \cdot a}{\frac{a}{r}} = \frac{13a}{\frac{a}{r}} = 13r$$

4) $4a^r = 2a_p a + r_a a$

$4(a+d)^r = 2(a+d)^r + r_a(a+d)$

$4(a^r + r_a d^r) = 2a^r + 2r_a d + r_a a + r_a d$

$4a^r + 4r_a d^r + r_a a = 2a^r + 2r_a d + r_a a + r_a d$

$\frac{a+d}{d} = \frac{a}{d} + r$

$-r + r = 1$

$0 = \frac{r_a r}{d^r} - \frac{4d^r}{d^r} + \frac{a}{d} \rightarrow 0 = \frac{r_a r}{d^r} - 4 + \frac{a}{d}$

$\frac{a}{d} = \frac{-1 \pm \sqrt{1 - 4 \times \frac{r_a r}{d^r}}}{r}$

v) a, b, c

$b-d, b, b+d$

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

$b-rb, b, b+rb$

$-rb, b, rb$

r_b, r_b

$\frac{b+d}{r} \times b = \left(\frac{b-d}{r}\right)^r$

$\frac{b^r + bd}{r} = \frac{b^r + d^r - 2bd}{r}$

$rbd = d^r$

$r_b = d$

$b, -b, b$

$x-1 = -1$

Parsian

$r_x - 1 = \frac{r}{x} \times \frac{1}{x} = \frac{r}{x^2}$

$$1) \quad r^b, r^a, c$$

$$a, b, c$$

سریال

$$\frac{r^b + c}{r} = r^a$$

$$a, ar, ar^2$$

$$r^b + c = r^a$$

$$r^a + ar = r^a$$

$$r^a + r^a = r$$

$$r^a + r^a = r$$

$$(r-1)(r+1) = 0 \quad r = 1 \quad \boxed{-1}$$

$$\frac{ar^1}{ar^0} = r^1 \rightarrow -1$$

$$9) \quad \frac{a_1}{(ar)^r} + \frac{a_2}{(ar)^r} = r$$

$$\frac{ar^r + ar}{ar^r} = r$$

$$\frac{r^r}{ar} + \frac{r}{a} - r = 0$$

$$\frac{r}{a} = \frac{-1 \pm \sqrt{1 - 4 \times (-1) \times 1}}{2}$$

$$\frac{ar}{a_1} = \frac{ar \times a}{ar} = \frac{a}{r} \rightarrow \frac{-1}{2}$$

$$r = \frac{1}{r} \rightarrow \frac{-1}{2} = -\frac{1}{2}$$

$$10) \quad ar^r = \sqrt{ar^r} \quad ar^r = ar^r \quad ar = 1$$

$$a = \frac{1}{r}$$

$$ar^r = rv$$

$$1 \times r^r = rv$$

$$r = r$$

$$\frac{1}{r} - \frac{1}{r} = \frac{r}{4} - \frac{r}{4} = \frac{1}{4}$$