

Subject.

Day. Month. Year.

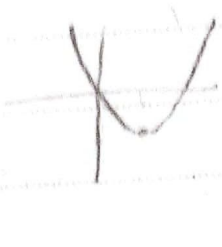
Volume 1

Calculus

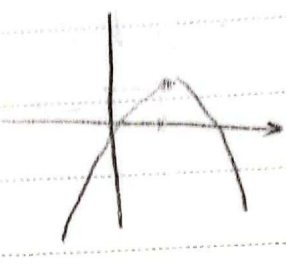
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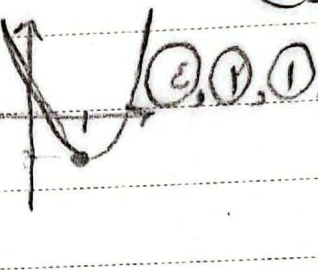
1) $S \begin{cases} x = \frac{14}{4} \\ y = \frac{14}{-11} \end{cases}$



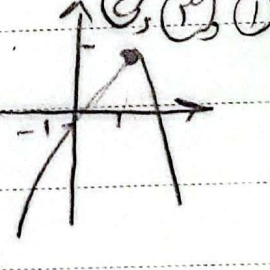
1) $S \begin{cases} x = \frac{14}{4} = 1 \\ y = \frac{14}{-11} = -\frac{14}{11} \end{cases}$



1) $S \begin{cases} x = \frac{14}{-11} \\ y = \frac{14 - 14}{-11} = \frac{0}{-11} \end{cases}$



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$\alpha + \beta = 1$
 $\alpha - \beta = \sqrt{1 + 11} = \sqrt{12}$

1) $\frac{\alpha + \beta}{\alpha - \beta} = \frac{1}{\sqrt{12}} = \frac{\sqrt{12}}{12}$

1) $\alpha^2 + \beta^2 = 5 - 4\alpha\beta = 1 + 4 = 5$

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$$1) \alpha^r + \beta^r, S^r - rps = 1 + 9 = 10$$

$$2) \alpha^r - \beta^r = (\alpha - \beta)^r + r\alpha\beta(\alpha - \beta) = (\sqrt{10})^r - 9\sqrt{10}$$

$$10\sqrt{10} - 9\sqrt{10} = \epsilon\sqrt{10}$$

$$a = \epsilon \quad \text{---} \quad ar - \epsilon a <$$

$$a(a - \epsilon) <$$

$$a \in (0, \epsilon]$$

$$\frac{0 \quad \epsilon}{+ \quad | \quad - \quad | \quad +}$$

$$r\alpha^r - r\alpha - a =$$

$$S = \epsilon$$

$$P = \frac{-a}{r}$$

$$r\alpha^r - r\alpha = a$$

$$\alpha^r - \alpha = \frac{a}{r}$$

$$\alpha^r + \beta^r + \sqrt{\alpha^r - \epsilon\alpha} = v$$

$$10 + \frac{ra}{r} + \frac{a}{r} = v$$

$$a = -9$$

$$r\alpha^r - r\alpha + 9 =$$

$$r(\alpha - \epsilon\alpha + 1) =$$

$$\frac{-9}{+r} = -10$$

$r \leftarrow \downarrow, \downarrow$

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(4)

$$\frac{r a + r + v - r a}{r} = b$$

$$a = b$$

$$a = r \rightarrow (r, 0) (v, a) X$$

$$a = r \rightarrow (1, 1) (9, 1) \sqrt{000}$$

$$v - r a > 0 \quad \frac{v}{r} > a \rightarrow \frac{r}{r} \frac{r}{r} \frac{1}{r} \rightarrow \sqrt{000}$$

$$a(m - a)^r + y_s = a(m - a)^r + r$$

$$14a + r = 1 \quad a = -\frac{1}{14}$$

$$-\frac{1}{14} a^r + \frac{10}{14} a - \frac{r}{14} + r = \frac{-a^r}{14} + \frac{a}{14} - \frac{1}{14}$$

$$\left[-\frac{1}{14} \rightarrow b \frac{1}{14} \right]$$

1, v, w

$$a r^r - a r - b = \dots \quad \alpha + \beta = 1$$

(v)

$$\epsilon \cdot \beta^r + r = \alpha^r - r \cdot \beta = \dots$$

$$r \cdot \beta^r + r \cdot \beta^r + r \cdot \alpha^r - r \cdot \beta = b + r \cdot \left(1^r + r \frac{b}{a} \right)$$

$$\frac{r \cdot b}{a} + \frac{\epsilon \cdot b + r a}{a} = 14$$



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$$r \cdot b + \epsilon \cdot b + r \cdot a = 1/a$$

$$r \cdot b + r \cdot a = \dots$$

$$r \cdot b = -a$$

$$r \cdot b + a = \dots$$

$$\frac{\sqrt{a^2 - \epsilon ab}}{|a|} = \frac{\sqrt{\epsilon \cdot b^2 + 1 \cdot b^2}}{r \cdot b} = \sqrt{\frac{r^2 + b^2}{r_0^2 + b^2}} = \sqrt{\frac{\epsilon}{\dots}}$$

~~$\frac{\epsilon \sqrt{a}}{a}$~~ $\frac{r}{\sqrt{a}}$

$$S = \frac{-\delta + 1}{r} = -r$$

①

$$\alpha (n+r)^r - \frac{1}{r} \xrightarrow{(\dots)} \epsilon a - \frac{1}{r} = \frac{\epsilon}{r}$$

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

$$\beta \rightarrow \left[\frac{1}{r} (n+r)^r - \frac{1}{r} = \frac{1}{r} - \frac{1}{r} = \epsilon \right]$$

α	β
+	-
+	+

a) .

②

$$\alpha + \beta = -r$$

$$\alpha \cdot \beta = a$$

$$r \cdot \epsilon a > \dots \Rightarrow r > a \Rightarrow r > \frac{1}{r}$$

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$$-9 \pm \sqrt{81 - 4a} \rightarrow r = \sqrt{9 - a}$$

$$r(\alpha^r + \beta^r) + \alpha^r = \sqrt{9 - 4a} + \alpha^r =$$

$$\sqrt{9 - 4a} + 9 + 9 - a + 4\sqrt{9 - a} = 18 + 4\sqrt{9 - a}$$

$$r^2 - 1r = 9 - 4a$$

$$9 - 4a + 4\sqrt{9 - a} = 18 + 4\sqrt{9 - a}$$

$$1 = a$$

$$\leftarrow -4a + 4\sqrt{9 - a} = -4 + 4\sqrt{9 - a}$$

$$\sqrt{\frac{1}{a}} + \sqrt{\frac{1}{\beta}} = \frac{\sqrt{a}}{a} + \frac{\sqrt{\beta}}{\beta} =$$

(10)

$$\frac{\beta\sqrt{a} + \alpha\sqrt{\beta}}{\beta\alpha\frac{1}{\sqrt{4}}} = d$$

$$\beta\sqrt{a} + \alpha\sqrt{\beta} = \frac{d}{\sqrt{4}}$$

$$\frac{r_d}{r_4 r} = \beta^r \alpha + \alpha^r \beta + r\alpha\beta\sqrt{\alpha\beta}$$

$$\frac{r_d}{r_4 r} = \beta\alpha(\alpha + \beta + r\sqrt{\alpha\beta})$$

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

$$\frac{r_d}{r_4} - \frac{1r}{r_4} = \alpha + \beta$$

$$\frac{1r}{r_4} = \alpha + \beta$$

$$\frac{m+15}{r_4} = \frac{1r}{r_4}$$

$$m+15 = 1r$$

$$m = -1$$

$$-m^r + r^m + r_5. \quad p_5 = -r$$