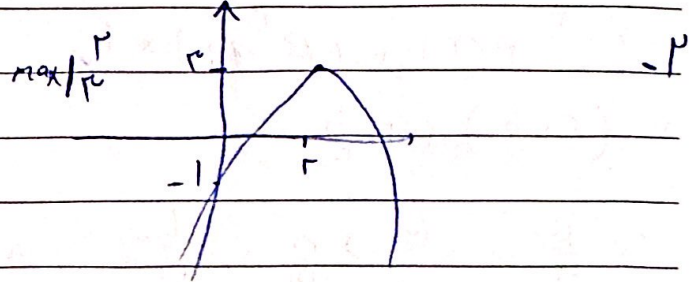
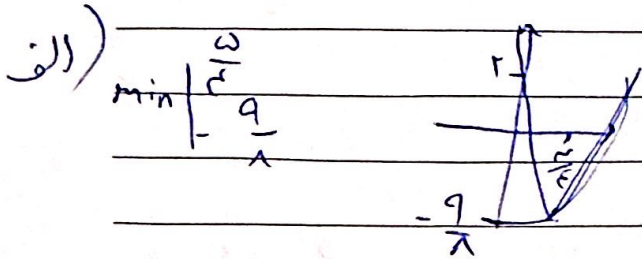
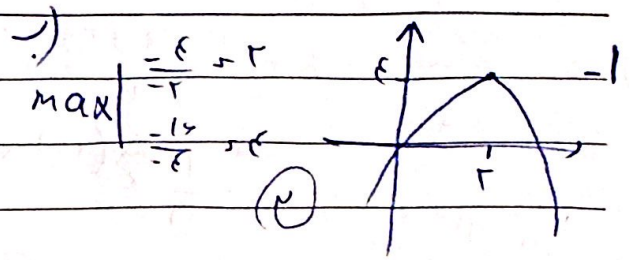
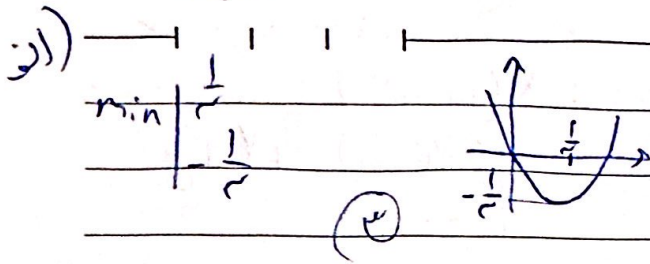


Subject:



الف)  $\frac{1}{\sqrt{a} + \sqrt{b}} = \frac{1}{\sqrt{a}} = \frac{\sqrt{a}}{a}$

ب)  $(a+b)^2 - 2ab = (4+9) - 2 \times 6 = 17 - 12 = 5$

ج)  $a^2 + b^2 = (a+b)^2 - 2ab = 17 - 12 = 5$

د)  $(a-b)^2 = (a+b)^2 - 4ab = 17 - 24 = -7$

①  $a^2 - 2a < 0 \Rightarrow a(a-2) < 0 \Rightarrow 0 < a < 2$

②  $a^2 - 2a + 1 = 0 \Rightarrow (a-1)^2 = 0 \Rightarrow a = 1$

$a^2 - 2a + 1 = 0 \Rightarrow (a-1)^2 = 0 \Rightarrow a = 1$

$(0, 2)$   
 $\{1\}$

~~...~~

$a^2 + b^2 - 2ab = 5$

$5 = 2a + a(a-b) = 2a - a^2 + ab$

$\left. \begin{matrix} 5 = 2a \\ 5 = 2b \end{matrix} \right\} a=1, b=1$

$4 + 2 \times \left(\frac{9}{2}\right) = 17 \Rightarrow a = 9$

$\frac{a}{b} = \frac{9}{1}$

$$A(9, 1)$$

Subject:

$$r - 2a > 1 \rightarrow 2a < r \rightarrow a < \frac{r}{2} \Rightarrow \frac{a}{r} < \frac{1}{2}$$

$$\frac{1}{19} \left( \frac{r-2a}{r} + \frac{r+a}{r} \right) \Rightarrow \frac{1}{19} (2) = \frac{2}{19}$$

$$\frac{1}{19} A(19) \Rightarrow \frac{1}{19} A(19) + Ksy$$

$$r_0(S^r - rP) + r_1(B^r - B) = Iv$$

$$r_0 \left( r \frac{b}{a} \right) + r_0 \frac{b}{a} = Iv$$

$$r_0 \frac{b}{a} (r - r) = \frac{b}{a} (r - \frac{1}{r}) \Rightarrow a(B^r - B) = b \frac{r - \frac{1}{r}}{a}$$

$$\frac{\sqrt{a}}{|a|} = \frac{\sqrt{r}}{r} = \frac{\sqrt{r}}{a}$$

$$raa - ab = a + b$$

$$\Rightarrow rca - ab = a + b \Rightarrow rca = a + b$$

$$ca = rba - \frac{a}{r} \Rightarrow ca = rba - \frac{a}{r}$$

$$rba - ca = \frac{a}{r} \Rightarrow r(b - \frac{c}{r}) = \frac{a}{r}$$

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

$$\frac{1}{\sqrt{a}} + \frac{1}{\sqrt{b}} = a \quad \left[ \begin{array}{l} P = \frac{1}{r} \\ \frac{m+1}{r} = a + b \end{array} \right]$$

$$a = \frac{1}{\sqrt{a}} + \frac{1}{\sqrt{b}} = \frac{\sqrt{b} + \sqrt{a}}{\sqrt{ab}} \Rightarrow a\sqrt{ab} = \sqrt{a} + \sqrt{b} \Rightarrow a + \sqrt{ab}$$

$$r + r + r = \frac{r}{r} + \frac{m+1}{r} + \frac{r}{r} = 1 + \frac{m+1}{r} + 1 = 2 + \frac{m+1}{r}$$

$$a \cdot b = \frac{c}{a} = 1$$

$$r + m + 1 = m + 1$$

IDEAL