

$$\alpha \beta^r = (p) \beta = r \rightarrow p = \frac{r}{\alpha} = r \rightarrow r \beta = r \rightarrow \beta = \frac{r}{r}$$

$$\alpha \beta = r \rightarrow \frac{r}{r} \alpha = r \rightarrow \alpha = \frac{r}{r} \rightarrow S = \alpha + \beta = \frac{r}{r} + \frac{r}{r} = \frac{r+r}{r}$$

$$\rightarrow m = \frac{r+r}{1r} = -\frac{b}{a}$$

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6

$$\beta = r \alpha \rightarrow S = r \alpha = -\frac{b}{a} \rightarrow r \alpha = r \rightarrow \alpha = 1, \beta = r$$

$$p = \alpha \beta = r \rightarrow \frac{r}{\alpha} = r \rightarrow m = r$$

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7

$$\alpha^r + \frac{1}{\alpha^r} = \alpha^r + \frac{1 \beta^r}{\alpha^r \beta^r} = \alpha^r + \beta^r = S^r - r p S$$

$$\left. \begin{array}{l} p = r \\ S = v \end{array} \right\} S - r p S = r \frac{r}{r} - r \frac{r}{r} = r_0$$

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8

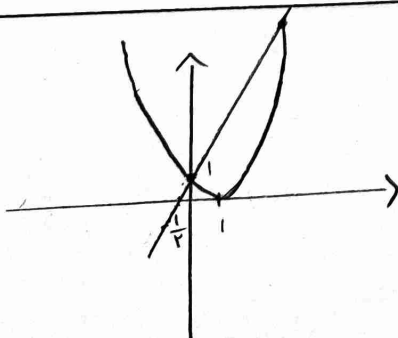
$$x_{\max} = -\frac{b}{ra} = \frac{\omega_0}{r_0} = \frac{\omega}{r} \rightarrow y_{\max} = -1.0 \left(\frac{\omega}{r} \right)^2 + 0.0 \left(\frac{\omega}{r} \right) = 12\omega - \frac{r\omega_0}{r}$$

$$= \frac{r\omega_0}{r} = 42,0 \text{ m} \quad \left\{ \begin{array}{l} -1.0 + r + 0.0 = 0 \rightarrow 1.0 + (0 - r) = 0 \rightarrow r = \omega \end{array} \right.$$

2

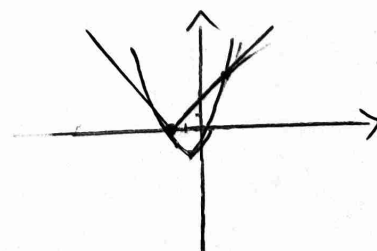
9

الف)



$x = 0, f$ ✓ نقطه برش

ب)



$x = -1, 1$ ✓ نقطه برش

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10