$\alpha^3 - 7\alpha + 6\beta = 0$ (struck out) — ۶

$\alpha\beta^2 - \dots = 0$ (struck out)

$\alpha\beta = \frac{9\beta}{\alpha} \Rightarrow \alpha$ < +۳ غ ق ق ، −۳ ق ق

$\Rightarrow \alpha + \beta = -3 + \beta = -\frac{7}{2} \Rightarrow \beta = 3 - \frac{7}{2}$ $\left(= -\frac{1}{2}\right)$

$\Rightarrow \frac{1}{\alpha} + \frac{1}{\beta} = -\frac{1}{3} + \frac{3}{2} \Rightarrow \boxed{\frac{7}{6}}$

$\alpha^2 = -m\alpha + 2m \Rightarrow \alpha^2 - m\beta = -m\alpha + 2m - m\beta$ — ۷

$= -m(\alpha+\beta) + 2m = m^2 + 2m = 8 \Rightarrow m^2 + 2m - 8 = 0$

$m = -4$ ، $m = 2$

$\boxed{4}$ ، $\boxed{-2}$

$y_S \Rightarrow m^2 - 2m - 8 = 0$ < $m = 4$ ، $m = -2$ — ۸

$m < 0 \Rightarrow m = -2 \Rightarrow -2x^2 + 4x + 6 \Rightarrow K = 8$

$y = a(0-2)^2 + 6 = 4 \Rightarrow a = -\frac{1}{2}$ — ۹

$\Rightarrow -\frac{1}{2}x^2 + 2x + 4 \Rightarrow \frac{S}{P} = \frac{4}{-8} = -\frac{1}{2}$

$x = 2 \Rightarrow 3a^2 - 2a - 1 = 0$ < $a = 1$ غ ق ق $\Delta < 0$ ، $a = -\frac{1}{3}$ ✓ — ۱۰

$S = -\frac{b}{a} = \frac{8}{3}$

$x + 2 = \frac{8}{3} \Rightarrow x = \frac{2}{3}$