

1.11
A

$$x_1 + x_2 = -p$$

$$x_1 \cdot x_2 = q$$

$$\sqrt{y_1 \cdot y_2} = \frac{x_1+1}{x_1-1} + \frac{x_2+1}{x_2-1} = \frac{(x_1+1)(x_2-1) + (x_1-1)(x_2+1)}{(x_1-1)(x_2-1)} = \frac{2x_1x_2 - 2}{x_1x_2 - (x_1+x_2) + 1} =$$

$$= \frac{2q - 2}{q + p + 1}$$

$$\sqrt{y_1 \cdot y_2} = \frac{x_1+1}{x_1-1} + \frac{x_2+1}{x_2-1} = \frac{x_1x_2 + (x_1+x_2) + 1}{x_1x_2 - (x_1+x_2) + 1} = \frac{q - p + 1}{q + p + 1}$$

$$y^2 + \frac{2-2q}{q+p+1}y + \frac{q-p+1}{q+p+1} = 0 \quad | \cdot (q+p+1)$$

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$$(q+p+1)y^2 + (2-2q)y + q-p+1 = 0$$