

0.22
73

$$(2) \sqrt{x^2 - y^2} = \frac{12}{y}$$

$$\boxed{x^2 - y^2 = \frac{144}{y^2}}$$

$$(1) y + \frac{12}{y} = 12 - x$$

$$\boxed{x = 12 - y - \frac{12}{y}}$$

$$\left(12 - y - \frac{12}{y}\right)^2 - y^2 = \frac{144}{y^2}$$

$$144 + y^2 + \frac{144}{y^2} - 24y - \frac{288}{y} + 24 - y = \frac{144}{y^2}$$

$$168 - 24y - \frac{288}{y} = 0 \quad | \cdot 24$$

$$7 - y - \frac{12}{y} = 0 \quad | \cdot y$$

$$y^2 - 7y + 12 = 0$$

$$y = 3, 4 \rightarrow$$

(5, 3)

(5, 4)