

$$1) \begin{cases} xy = -2 \\ x - 2y = 5 \end{cases} \Leftrightarrow \begin{cases} x = -\frac{2}{y} \\ x - 2y = 5 \end{cases} \Rightarrow \frac{2 - 2y^2 + 5y}{y} = 0 \quad \text{ob3. } y \neq 0$$

$$-2y^2 - 5y - 2 = 0 \quad | : (-1)$$

$$2y^2 + 5y + 2 = 0$$

$$D = 25 - 16 = 9 = 3^2$$

$$y_1 = \frac{-5 - 3}{4} = -2 \Rightarrow x_1 = -\frac{2}{-2} = 1 \quad (1; -2)$$

$$y_2 = \frac{-5 + 3}{4} = -\frac{1}{2} \Rightarrow x_2 = -\frac{2}{-\frac{1}{2}} = 4 \quad (4; -\frac{1}{2})$$

Ответ: $(1; -2) \vee (4; -\frac{1}{2})$

$$2) \begin{cases} x^2 + y^2 = 16 \\ x - y = 4 \end{cases} \quad \begin{array}{l} \text{— центр} \\ \text{с радиусом} \\ (0; 0), R = 4 \end{array}$$

$$y = x - 4$$

Ответ: $(4; 0) \vee (0; -4)$

