

11.1

$$M_0(-1; 2) \quad n(2; 2)$$

$$2(x+1) + 2(y-2) = 0$$

$$2x + 2 - 2y - 4 = 0$$

$$2x - 2y - 2 = 0 \quad | :2$$

$$x - y - 1 = 0$$

$$x - y = 1$$

11.2

$$M_0(-1; 2) \quad q(3; -1)$$

$$3(x+1) - 1(y-2)$$

$$3x + 3 - y - 2 = 0$$

$$3x - y + 1 = 0$$

$$3x - y = -1$$

11.3

$$M_1(1; 2) \quad M_2(-1; 0)$$

$$\frac{x-1}{-1-1} = \frac{y-2}{0-2} \Rightarrow \frac{x-1}{-2} = \frac{y-2}{-2}$$

$$-2x + 2 = -2y + 4$$

$$2x - 2y + 2 = 0 \quad | :2$$

$$x - y + 1 = 0$$