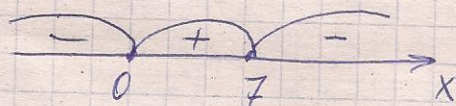


$$1) y = \sqrt{7x - x^2}$$

$$7x - x^2 \geq 0$$

$$x(7-x) \geq 0$$

$$f(x) = x(7-x); f(x) = 0 \text{ при } x = 7; x = 0.$$



$$x \in [0; 7]$$

$$\Phi(y) = [0; 7]$$

$$2) y = \frac{9}{\sqrt{15 - 2x - x^2}}$$

$$15 - 2x - x^2 > 0$$

$$f(x) = 15 - 2x - x^2$$

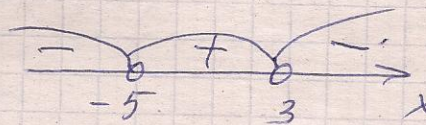
$$f(x) = 0$$

$$-x^2 - 2x + 15 = 0$$

$$x^2 + 2x - 15 = 0$$

$$D = 4 + 60 = 64$$

$$x_1 = \frac{-2 + 8}{2} = 3; x_2 = \frac{-2 - 8}{2} = -5$$



$$\Phi(y) = (-5; 3)$$