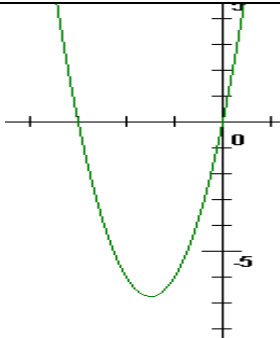
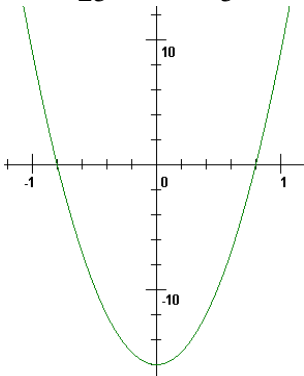
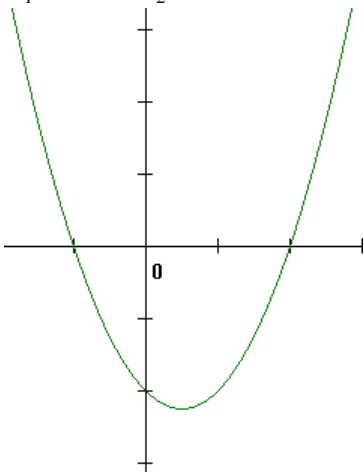


Doplňte tabulku, všechny úlohy řešte v \mathbb{R}

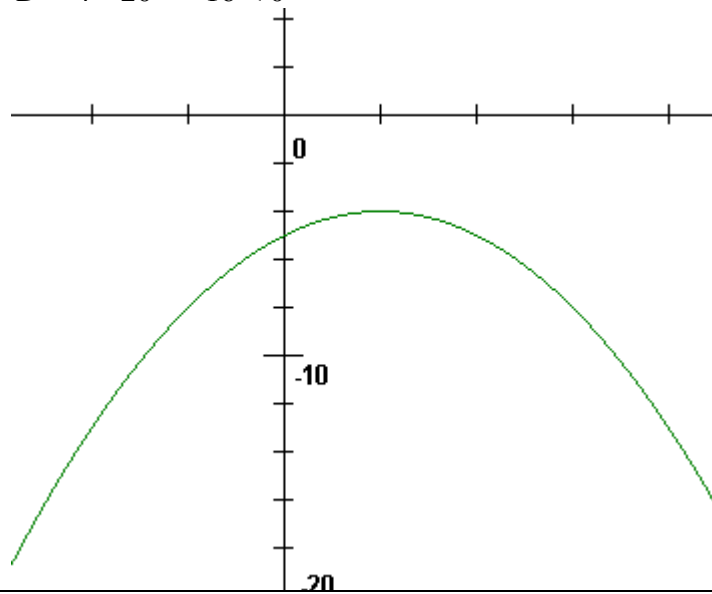
a) $9 - 4x^2 \geq 0$	$9 - 4x^2 \geq 0$ $9 \geq 4x^2$ $ x \leq \frac{3}{2}$	$P = \left\langle -\frac{3}{2}, \frac{3}{2} \right\rangle$
b) $3x^2 + 9x < 0$	 $3x^2 + 9x < 0$ $3x \cdot (x + 3) < 0$	$P = (-3, 0)$
c) $x^2 + 9 < 0$	$x^2 + 9 < 0$ $x^2 < -9$	$P = \emptyset$
d) $25x^2 - 16 \leq 0$	$25x^2 - 16 \geq 0$ $x^2 \geq \frac{16}{25} \Rightarrow x \geq \frac{4}{5}$ 	$P = \left(-\infty, -\frac{4}{5} \right] \cup \left[\frac{4}{5}, \infty \right)$
e) $x^2 - x - 2 > 0$	$x^2 - x - 2 > 0$ $x_1 = -1, \quad x_2 = 2$ 	$P = (-\infty, -1) \cup (2, \infty)$

f)

$$-x^2 + 2x - 5 < 0$$

$$-x^2 + 2x - 5 < 0$$

$$D = 4 - 20 = -16 < 0$$



$$P = R$$