

2. Urči z rovnice funkce, zda se jedná o funkci rostoucí, nebo klesající:

a)  $y = -1,2x$  .....

b)  $y = 0,1x$  .....

c)  $y = \frac{5}{6}x$  .....

d)  $y = \sqrt{2} \cdot x$  .....

e)  $y = \frac{\pi}{2} \cdot x$  .....

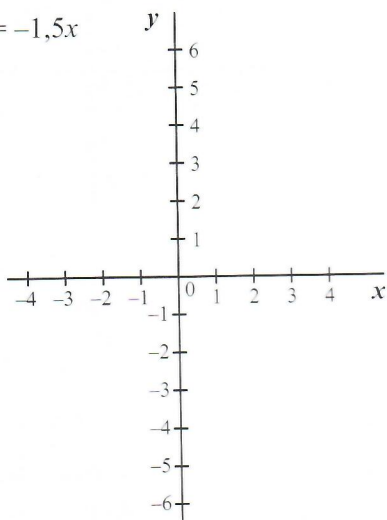
f)  $y = -\frac{4}{3}x$  .....

g)  $y = -\sqrt{3} \cdot x$  .....

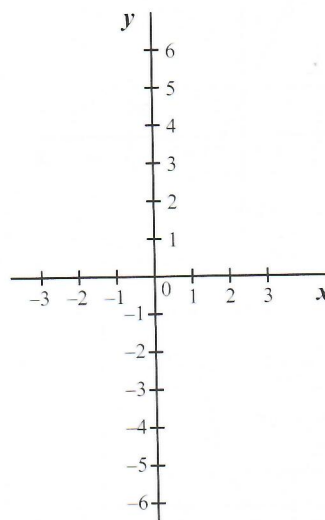
h)  $y = \frac{x}{\pi}$  .....

3. Sestroj grafy funkcí:

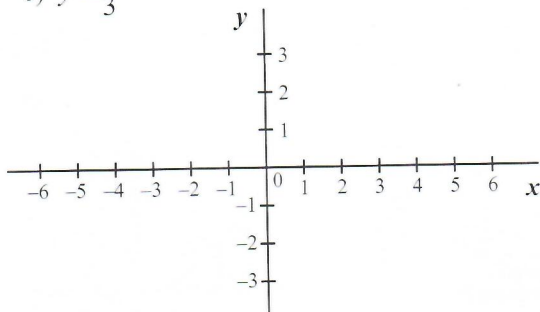
a)  $y = -1,5x$



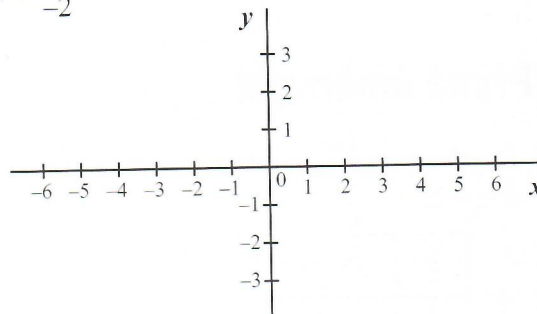
b)  $y = 2x$



c)  $y = \frac{x}{3}$



d)  $y = \frac{x}{-2}$



4. Zapiš rovnici *přímé úměrnosti*, která prochází bodem:

a) A [2; 6]

b) B [-3; -12]

.....

.....

c) C [-3; 5]

d) D [5;  $\sqrt{5}$ ]

.....

.....

e) E [-15; 3]

f) F [4;  $\pi$ ]

.....

.....