



INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

Číslo projektu : CZ.1.07/1.5.00/34.0556

Šablona : IV/2 = Inovace a zkvalitnění výuky směřující k rozvoji
matematické gramotnosti žáků SŠ

Tematická oblast : Funkce, rovnice, nerovnice

Dílčí téma : Grafy funkcí

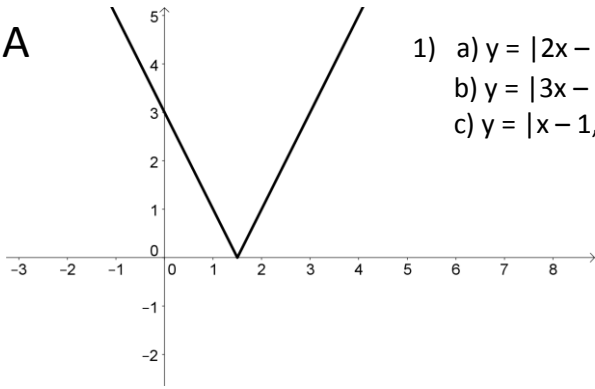
Test

VY _ 42 _ INOVACE _ HZ _ MA _ 21

Autor : Mgr. Ivana Hanzíková

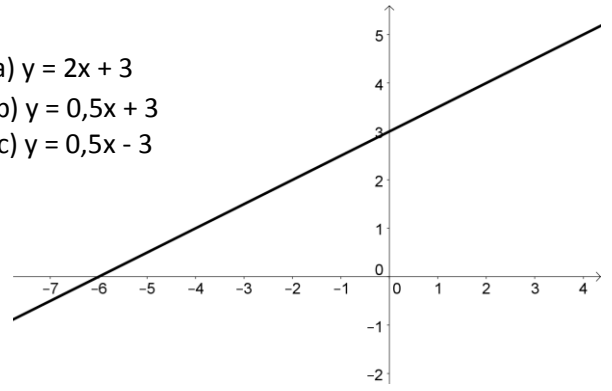
Škola : SPŠ a VOŠ Příbram

A

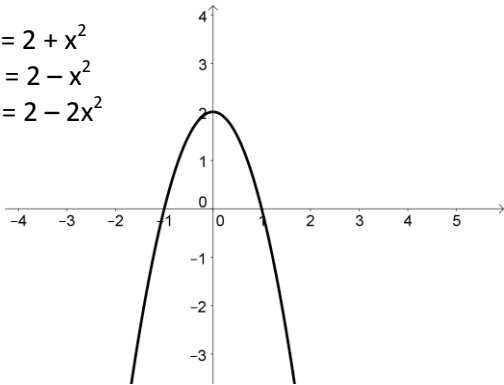


- 1) a) $y = |2x - 3|$
- b) $y = |3x - 2|$
- c) $y = |x - 1,5|$

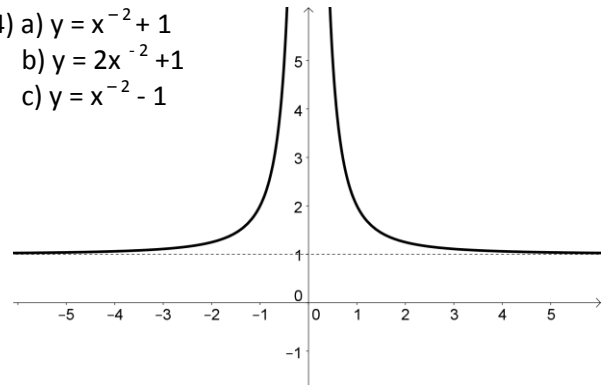
- 2) a) $y = 2x + 3$
- b) $y = 0,5x + 3$
- c) $y = 0,5x - 3$



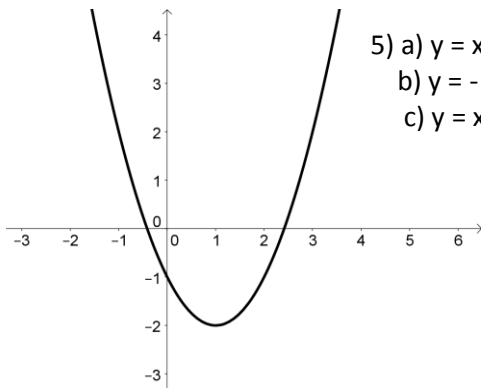
- 3) a) $y = 2 + x^2$
- b) $y = 2 - x^2$
- c) $y = 2 - 2x^2$



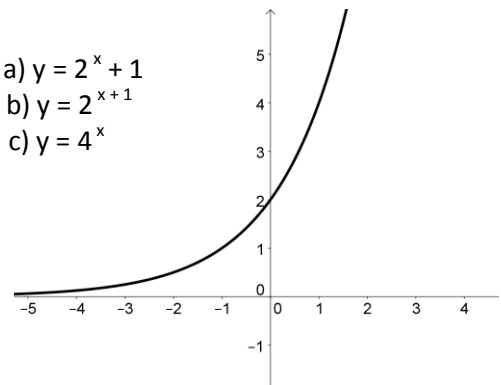
- 4) a) $y = x^{-2} + 1$
- b) $y = 2x^{-2} + 1$
- c) $y = x^{-2} - 1$



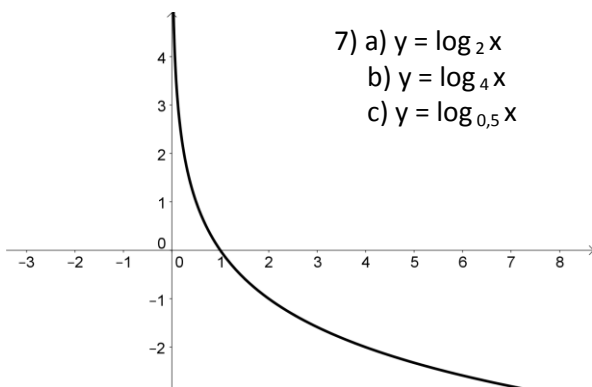
- 5) a) $y = x^2 - 2x + 1$
- b) $y = -x^2 - 2x - 1$
- c) $y = x^2 - 2x - 1$



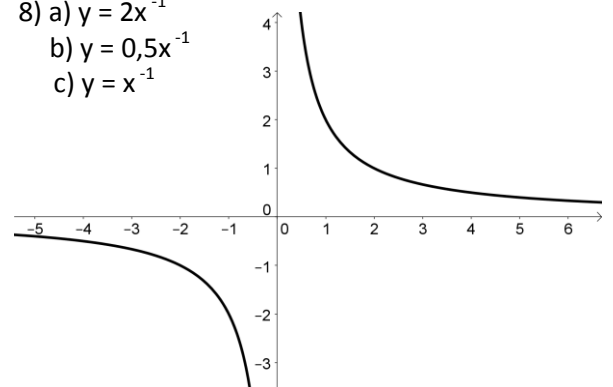
- 6) a) $y = 2^x + 1$
- b) $y = 2^{x+1}$
- c) $y = 4^x$



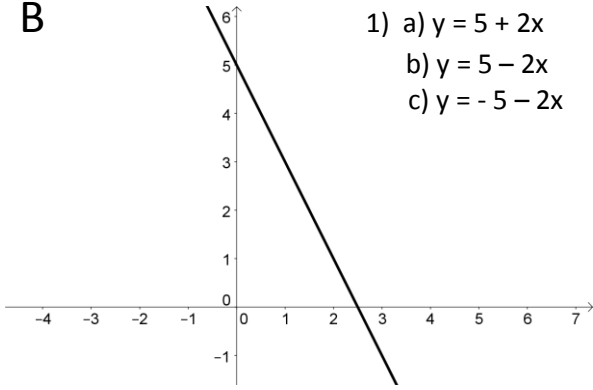
- 7) a) $y = \log_2 x$
- b) $y = \log_4 x$
- c) $y = \log_{0,5} x$



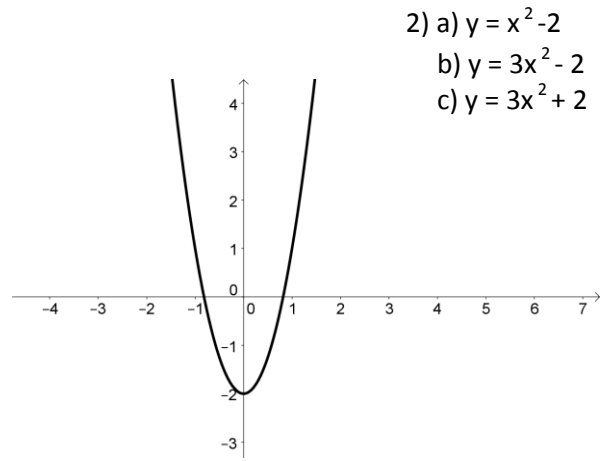
- 8) a) $y = 2x^{-1}$
- b) $y = 0,5x^{-1}$
- c) $y = x^{-1}$



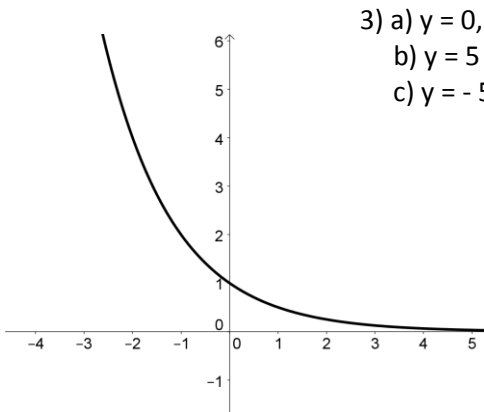
B



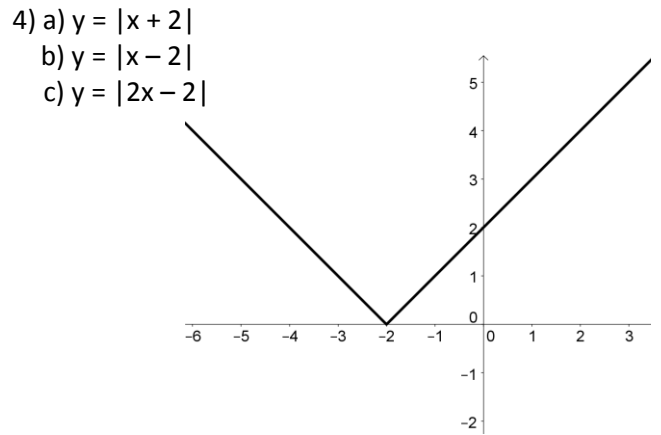
- 1) a) $y = 5 + 2x$
- b) $y = 5 - 2x$
- c) $y = -5 - 2x$



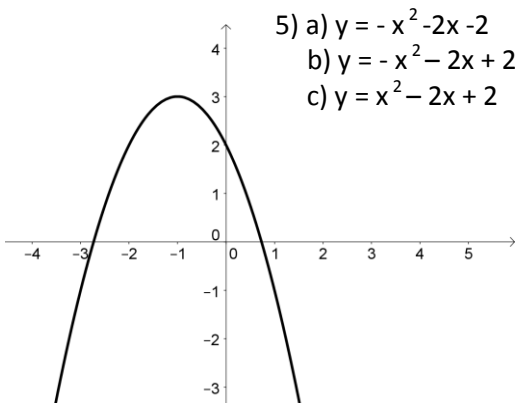
- 2) a) $y = x^2 - 2$
- b) $y = 3x^2 - 2$
- c) $y = 3x^2 + 2$



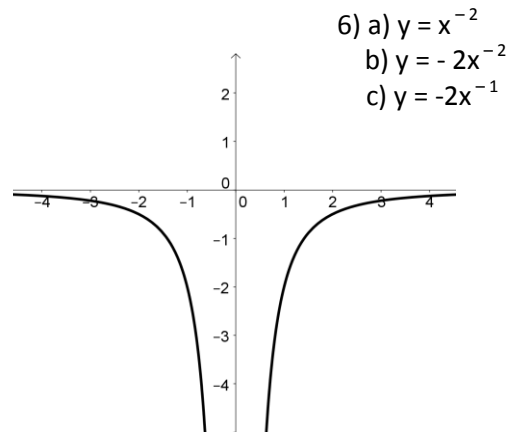
- 3) a) $y = 0,5^x$
- b) $y = 5^x$
- c) $y = -5^x$



- 4) a) $y = |x + 2|$
- b) $y = |x - 2|$
- c) $y = |2x - 2|$

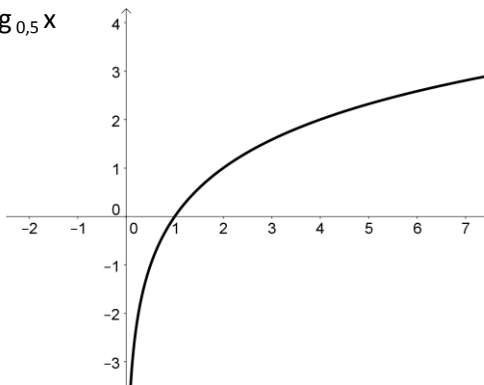


- 5) a) $y = -x^2 - 2x - 2$
- b) $y = -x^2 - 2x + 2$
- c) $y = x^2 - 2x + 2$

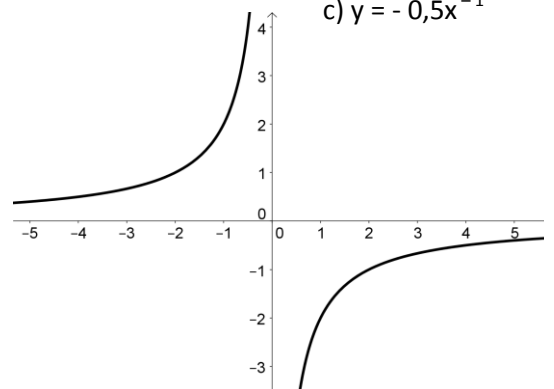


- 6) a) $y = x^{-2}$
- b) $y = -2x^{-2}$
- c) $y = -2x^{-1}$

- 7) a) $y = \log_2 x$
- b) $y = \log_4 x$
- c) $y = \log_{0,5} x$



- 8) a) $y = 2x^{-1}$
- b) $y = -2x^{-1}$
- c) $y = -0,5x^{-1}$



Řešení :

A : 1-a, 2-b, 3-c, 4-a, 5-c, 6-b, 7-c, 8-a

B : 1-b, 2-b, 3-a, 4-a, 5-b, 6-b, 7-a, 8-b