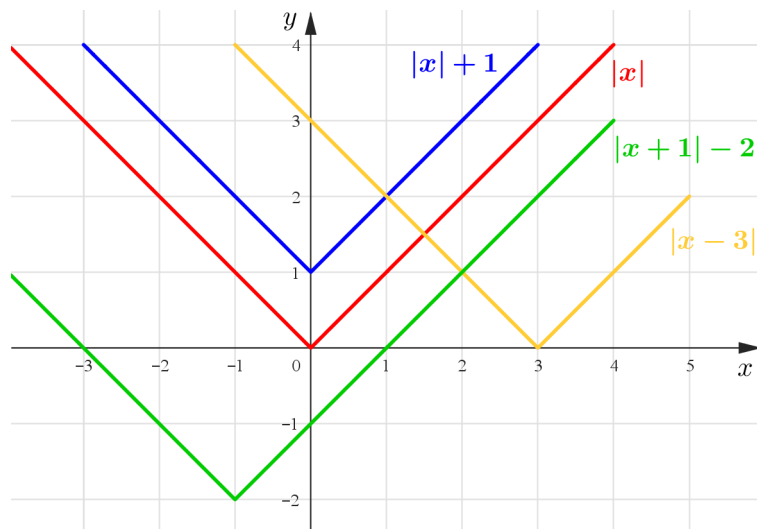


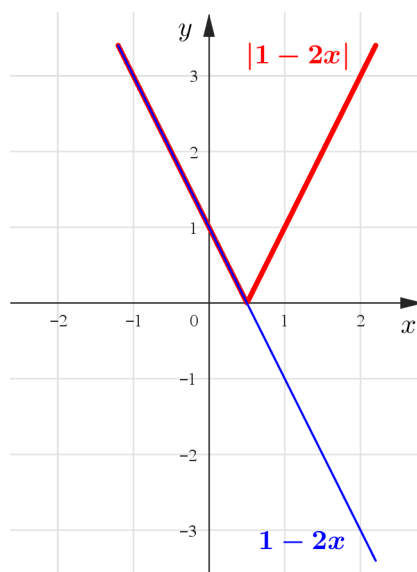
SLOŽENÁ FUNKCE

Příklad 1. Načrtněte grafy funkcí:

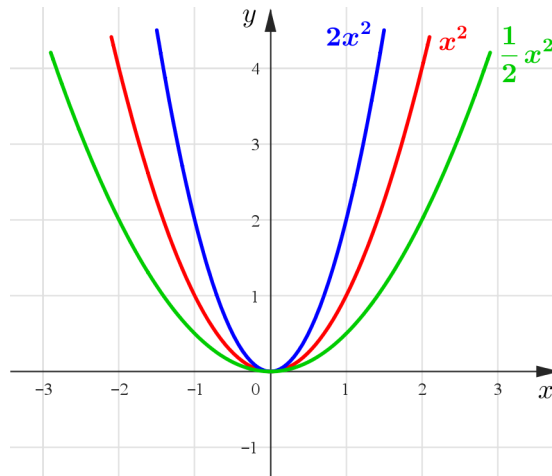
1) $y = |x|$, $y = |x| + 1$, $y = |x - 3|$, $y = |x + 1| - 2$



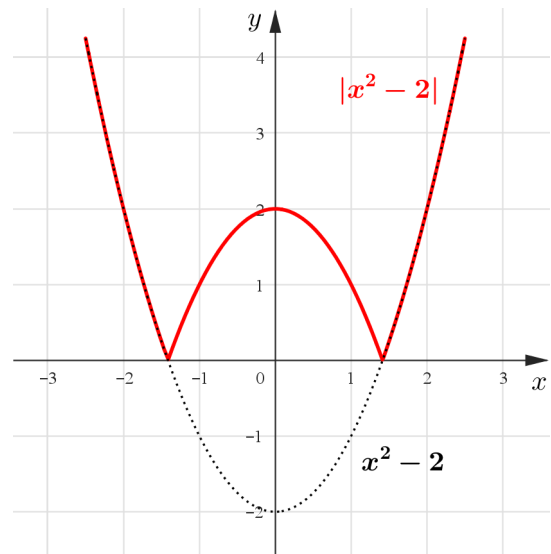
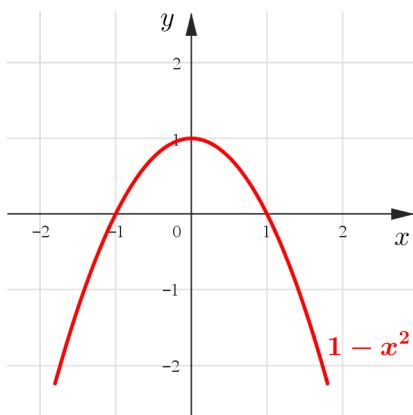
2) $y = 1 - 2x$, $y = |1 - 2x|$



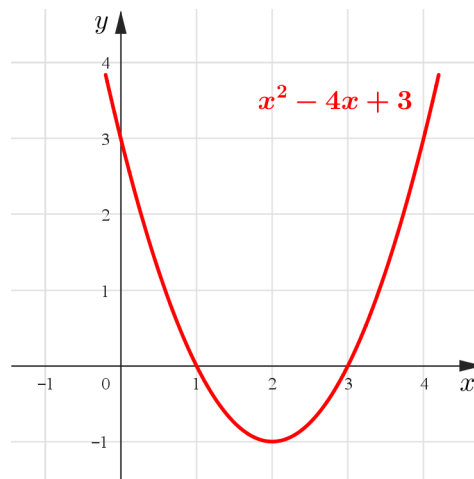
3) $y = x^2$, $y = 2x^2$, $y = \frac{1}{2}x^2$



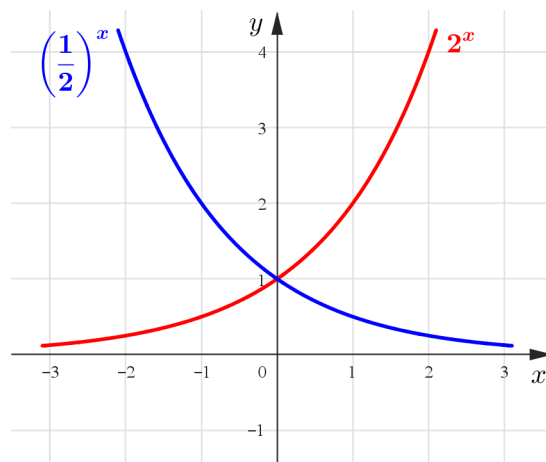
4) $y = 1 - x^2$, $y = |x^2 - 2|$



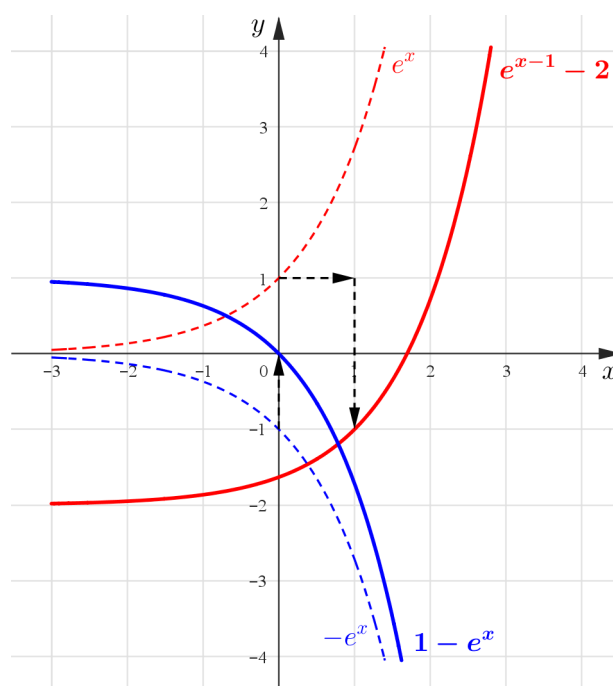
5) $y = x^2 - 4x + 3$
 $y = x^2 - 4x + 4 - 4 + 3$
 $y = (x - 2)^2 - 1 \rightarrow V[2, -1]$



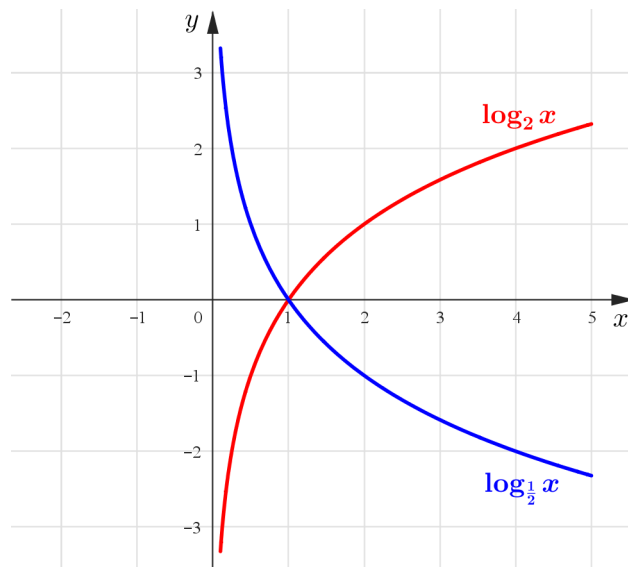
6) $y = 2^x$, $y = (\frac{1}{2})^x$



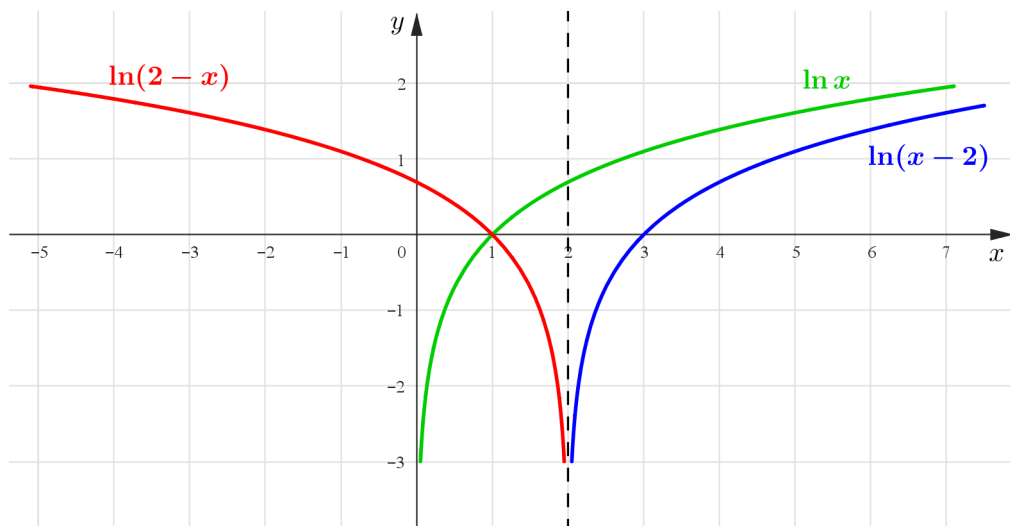
7) $y = e^{x-1} - 2$, $y = 1 - e^x$



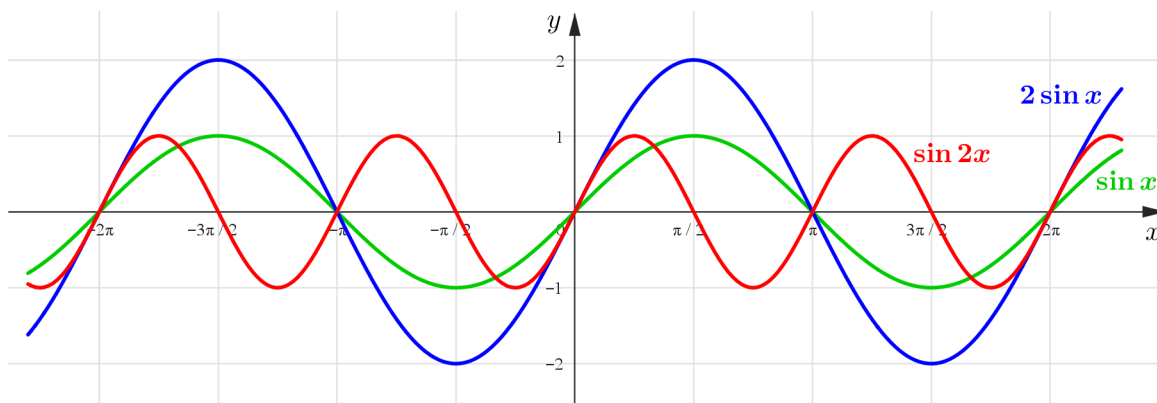
8) $y = \log_2 x$, $y = \log_{\frac{1}{2}} x$



9) $y = \ln x$, $y = \ln(x - 2)$, $y = \ln(2 - x)$



10) $y = \sin x$, $y = 2 \sin x$, $y = \sin 2x$



11) $y = 1 + \sin\left(x - \frac{\pi}{4}\right)$

