

Úloha 136

4.3

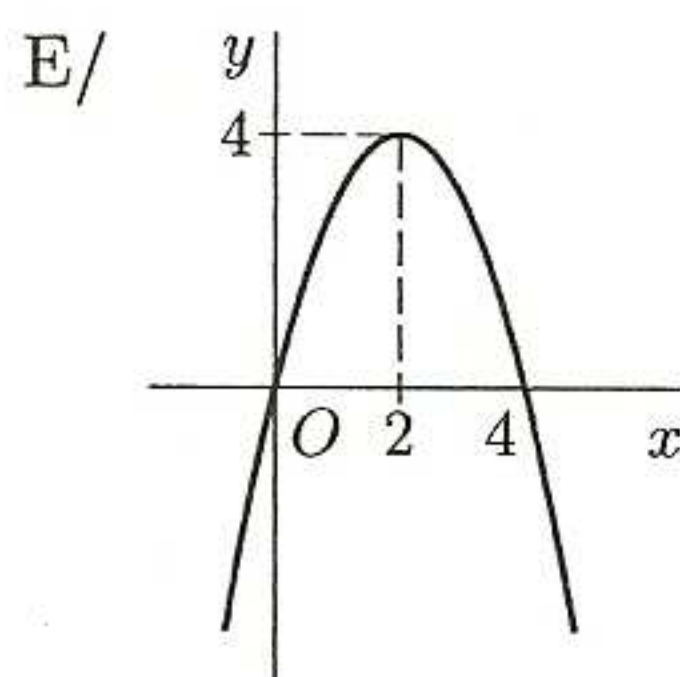
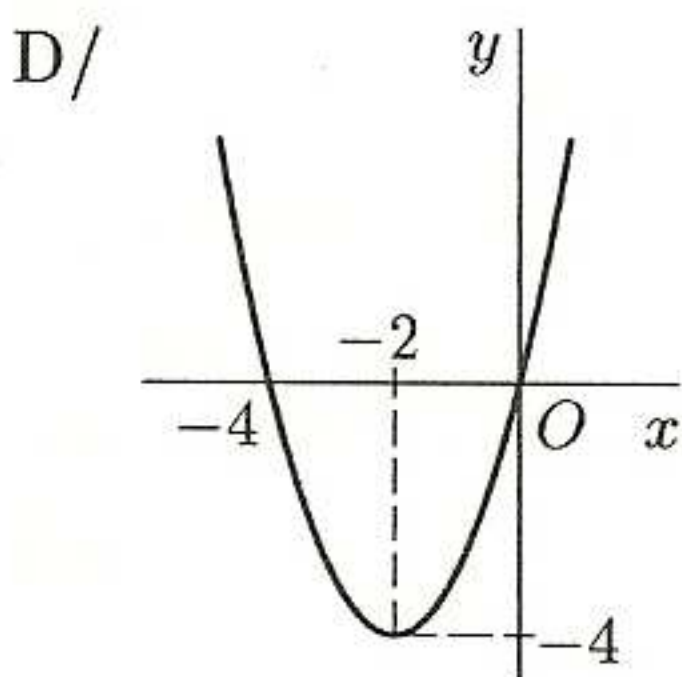
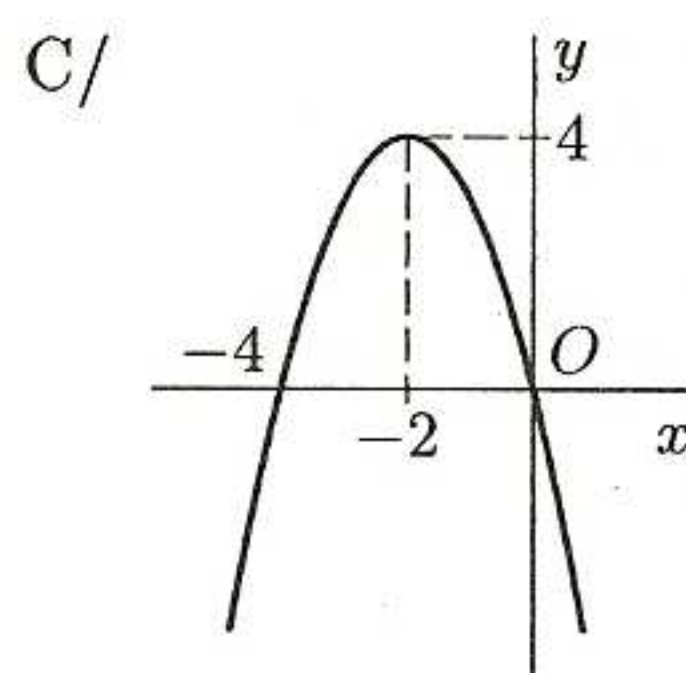
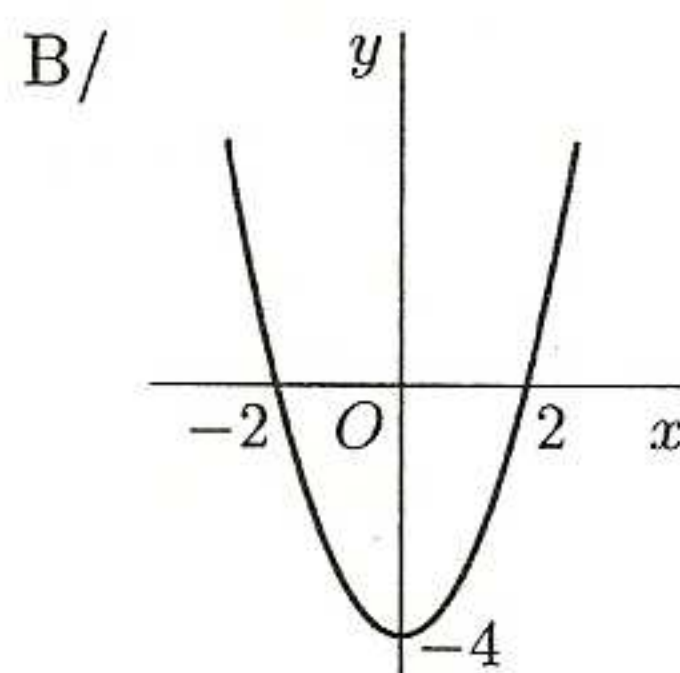
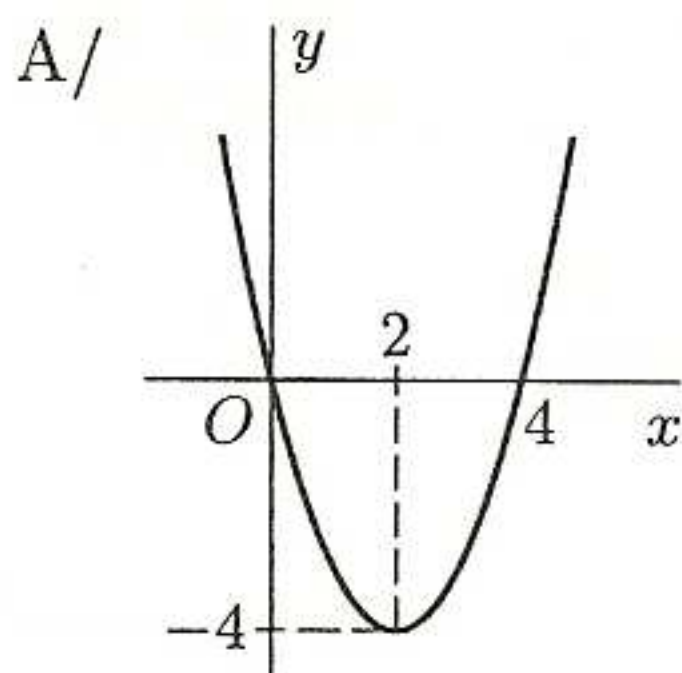
Oborem hodnot funkce $y = (1 - x)(1 + x) + 2x$ je interval:

- A/ $(-\infty, 0)$ B/ $(-\infty, 2)$ C/ $\langle 0, \infty)$ D/ $\langle -1, \infty)$ E/ $\langle -2, \infty)$

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Graf funkce $f: y = x(4 - x)$ je na obrázku:



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Kvadratická funkce f , jejímž grafem je parabola s vrcholem $V[0, 5]$ a pro niž platí $f(-2) = -3$, je dána předpisem:

- A/ $f: y = x^2 + 5$ B/ $f: y = -x^2 + 5$ C/ $f: y = -2x^2 + 5$
 D/ $f: y = 2x^2 + 5$ E/ $f: y = -3x^2 + 5$

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4.4

Na obrázku je pro $x \in \langle 0, 2\pi)$ graf funkce:

- A/ $y = \cos x + 1$
 B/ $y = \sin x + 1$
 C/ $y = -\cos x + 1$
 D/ $y = -\cos x + 2$
 E/ $y = -\sin x + 2$

