

1 In riferimento al grafico della funzione f qui proposto, rispondi alle seguenti domande.

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- A graph of a continuous function is shown on a Cartesian coordinate system. The function is a red curve passing through the points $(-7, 6)$, $(-4, 0)$, $(-2, -4)$, $(0, 0)$, $(2, 4)$, $(4, 0)$, and $(5, -5)$. The origin is labeled O .

2 $y = -x^3 + x$

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

4 $y = \sqrt{x-3} + \sqrt{5-x}$

5 $y = \frac{1}{\sqrt{x^2 + x - 6}} + \sqrt[3]{x - 2}$

6 $y = \frac{2^x}{2^{x+1} - 8^{3x}}$

7 $y = \sqrt{2^x + 16} + \frac{1}{2^x}$

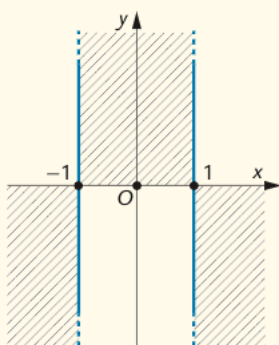
8 $y = \ln(4 - x^2)$

9 $y = \frac{1}{\log_2 x - 3}$

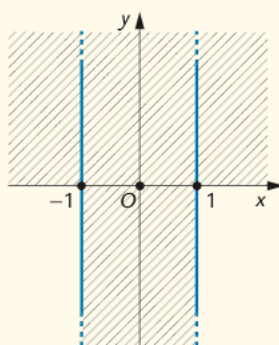
- a.** $f(x) = -x^3 + x$ **b.** $y = x^3 - x^2$ **c.** $y = x^4 - x^2$

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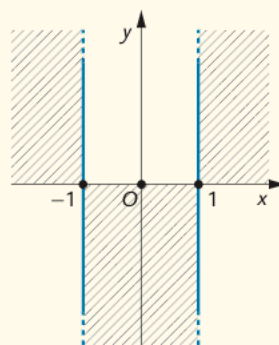
A



B



C



D

- [illegible]