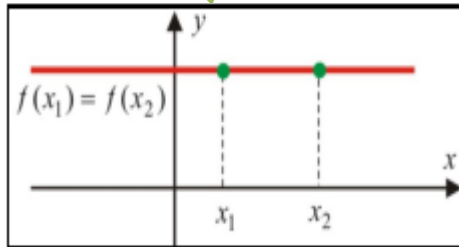


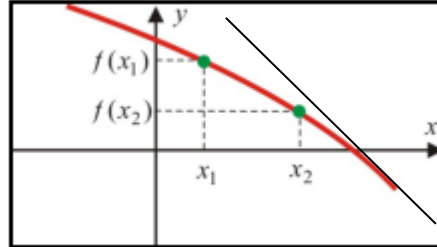
دالة ثابتة

$$f' = 0$$



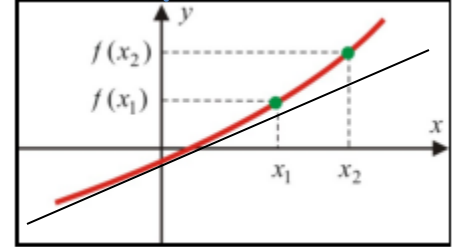
دالة متناقصة

$$f' < 0$$



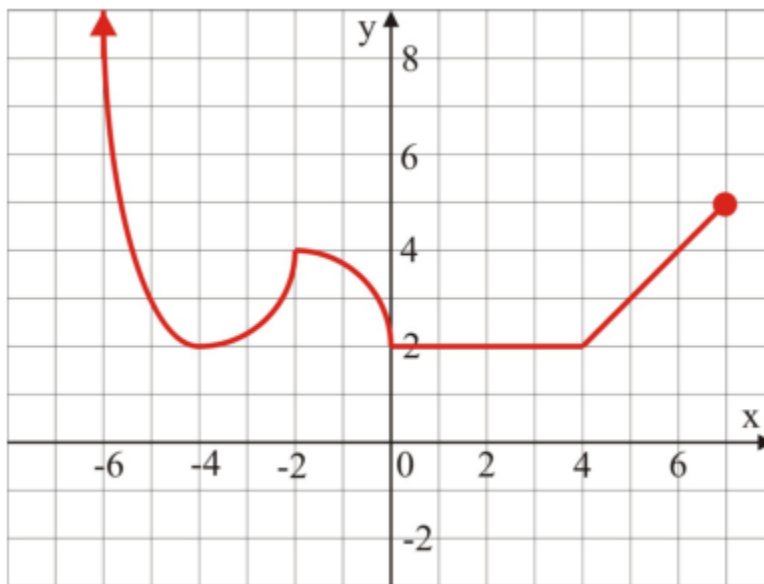
دالة متزايدة

$$f' > 0$$

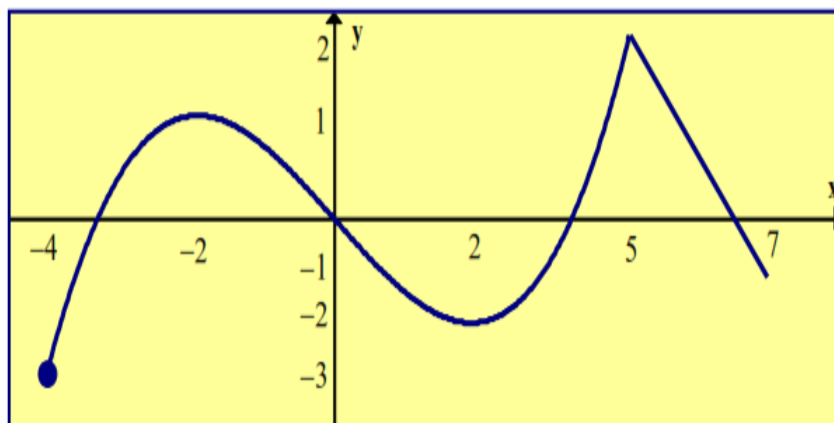


أوجد فترات التزايد والتناقص:

-1



-2



$g(t) = -3t^2 + 9t + 5$	3	2
$f(x) = x^4 - 8x^2 + 16$	4	
$g(x) = x^4 - 4x^3 + 4x^2$	5	
$H(t) = \frac{3}{2}t^4 - t^6$	6	
$K(t) = 15t^3 - t^5$	7	

$g(x) = x\sqrt{8 - x^2}$	8	3
$g(x) = x^2\sqrt{5 - x}$	9	
$f(x) = \frac{x^2 - 3}{x - 2}, \quad x \neq 2$	10	
$f(x) = \frac{x^3}{3x^2 + 1}$	11	

$f(x) = x^{1/3}(x + 8)$	12	4
$g(x) = x^{2/3}(x + 5)$	13	
$h(x) = x^{1/3}(x^2 - 4)$	14	
$k(x) = x^{2/3}(x^2 - 4)$	15	