

1.  $f(x) = 4x^3 - 3x^2 + 2x - 7$

$$f'(x) = 12x^2 - 6x + 2$$

2.  $g(x) = 6x^4 + x^2 - 8x + 10$

$$g'(x) = 24x^3 + 2x - 8$$