

تمرين موجه

6A. $h(x) = (x^5 + 13x^2)(7x^3 - 5x^2 + 18)$

$$f(x) = (x^5 + 13x^2), g(x) = (7x^3 - 5x^2 + 18)$$

$$f(x) = x^5 + 13x^2 \longrightarrow f'(x) = \dots x^{\dots} + \dots$$

$$g(x) = 7x^3 - 5x^2 + 18 \longrightarrow g'(x) = \dots x^{\dots} - \dots$$

$$h'(x) = f'(x) \cdot g(x) + f(x) \cdot g'(x)$$

$$h'(x) = \dots x^{\dots} - \dots x^{\dots} + \dots x^{\dots} - \dots x^{\dots} + \dots$$

6B. $h(x) = (x^2 + x^3 + x)(8x^2 + 3)$

$$f(x) = (x^2 + x^3 + x), g(x) = (8x^2 + 3)$$

$$f(x) = x^2 + x^3 + x \longrightarrow f'(x) = \dots + \dots x^{\dots} + 1$$

$$g(x) = 8x^2 + 3 \longrightarrow g'(x) = \dots$$

$$h'(x) = f'(x) \cdot g(x) + f(x) \cdot g'(x)$$

$$h'(x) = \dots x^{\dots} + \dots x^{\dots} + \dots x^{\dots} + \dots x + \dots$$