1. Compute the following derivatives using the derivative rules.

   (a) \( \frac{d}{dx}(x^5 + 2x^3 + 5x + 3) \)

   (b) \( \frac{d}{dx}((x^2 + 2x + 3)(5x^3 + 2x + 3)) \)

   (c) \( \frac{d}{dx}\left(\frac{x^2 + 2x + 3}{5x^3 + 2x + 3}\right) \)

   (d) \( \frac{d}{dx}(x^3 + 2x + 1)^6 \)

   (e) \( \frac{d}{dx}\sqrt{x^3 + 5x + 3} \)

2. Find the equation for the tangent line to \( f(x) = (2x - 3)^5 \) at \( x = 1 \).