Find each derivative 

Use \( f'(x) = \lim_{h \to 0} \frac{f(x+h) - f(x)}{h} \) for each problem.

1) \( f(x) = x^2 - 7 \) Find \( f'(x) \)

\( f'(x) = \)

2) \( f(x) = 4x^2 - 5x + 1 \) Find \( f'(x) \) and \( f'(2) \).

\( f'(x) = \)

3) \( f(x) = \frac{1}{x} \) Find \( f'(x) \) and \( f'(3) \).

\( f'(x) = \)

4) \( f(x) = x^2 + 8x \) Find equation of the tangent line and normal line at \( x = -2 \).

**Equation of the tangent line:**

**Equation of the normal line:**