1. Find the domain of the following function: \[ f(x) = \frac{2x}{\sqrt{x-2}}. \]

2. If \( f(x) = x^2 - x + 1 \), find \( f(x + h) - 1 \).

3. Let \( f(x) = \frac{1}{x-2} \), and \( g(x) = \sqrt{x+2} \). Evaluate \( (f \circ g)(7) \) and \( (g \circ f)(x) \).

4. Find the slope and \( x,y \)-intercepts of the line \( 2x + 3y = 6 \).

5. Find \( a \) if the slope of the line passing through the points \((3, a)\) and \((-2, 4)\) is \( \frac{1}{3} \).

Extra Credit:

1. Find the domain of the function \[ f(x) = \frac{x-1}{\sqrt{x^2 + 4x - 5}}. \]

2. Give two points such that the line containing both points has slope \( m = -\frac{2}{3} \).