

1. Simplify the following expression: $\frac{x+2a-3}{x+1} - \frac{x+6}{2x}$.
2. Let $g(x) = 5x^2 - 2x + 3$ and $h(x) = \sqrt{9x+7}$. Find $g(h(2))$.
3. Solve for a in $\sqrt{19-3a} + 5 = a$. Find all solutions.