

1. $f(x) = x - 6$

2. $f(x) = 3x^2 + 9x - 4$

3. $f(x) = 2x^3 - 9x^2 + 12x + 3$

4. $g(x) = x^3 + x + 1$

5. $g(x) = \sqrt{x^2 + 1}$

Find the
stationary points
if they exist
for 1, 3, 5