

Math Analysis – Extreme Points**Name** _____

For each function, find the extreme points (if any) and indicate which is a local maximum, local minimum, or neither.

1) $y = 4x - 1$

2) $f(x) = x^3 - 9x^2 + 15x + 1$

3) $y = x^3 - 6x^2 + 12x$

$$4) \quad f(x) = \frac{x^3}{3} - \frac{3}{2}x^2 - 4x - 5$$