Work on these with your partner(s) at the board

1. Let $f(x) = x^3 - 9x^2 + 24x + 5$

   (a) Find all critical values of $f(x)$.

   (b) Use the First Derivative Test to classify each as a local max, local min, or neither.

2. Repeat #1 for $g(x) = x^5 - x^3$