

Mathematics 122 Homework, February 4, 2025.

1. On pages 112–113 do problems 12–17, 22–25, 32, and 33.
2. Use your calculator to compute the following derivatives.
 - (a) $f'(3.2)$ where $f(x) = x^2 2^x$.
 - (b) $h'(-2.4)$ where $h(t) = \frac{t-1}{\sqrt{t^2+1}}$.
3. Find the tangent line to $y = 3x^3 - x^2$ at the point where $x = -2$.