

Free Response part 1

1. Consider the curve defined by $y = x^4 + 4x^3$.

- (a) Find the equation of the tangent line to the curve at $x = -1$.
- (b) Find the coordinates of the absolute minimum.
- (c) Find the coordinates of the point(s) of inflection.

Show work for part a)

Show work for part b)

Show work for part c)