

Name: \_\_\_\_\_  
AP Calculus AB

Date: \_\_\_\_\_

Do Now: (Calculator Active)

1. Which of the following is an equation of the tangent line to the graph of  $f(x) = \frac{x^4}{4} - x^3$  at the point where  $f'(x) = 1$ ?

(A)  $y = x + 3.5954$

(B)  $y = x - 9.803$

(C)  $y = x - 3.056$

(D)  $y = x - 1$

(E)  $y = 3x - 1$