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

Implicit Differentiation Madness! Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

For each of the following equations, find using **implicit differentiation**.



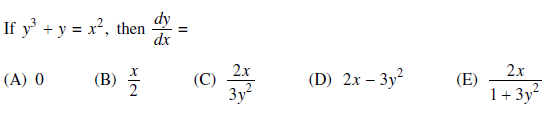
1. 2.

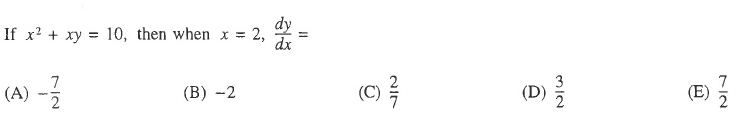
***Challenge:***

3. Find the slope of 4.



OVER 🡪

5.



6.





7.