

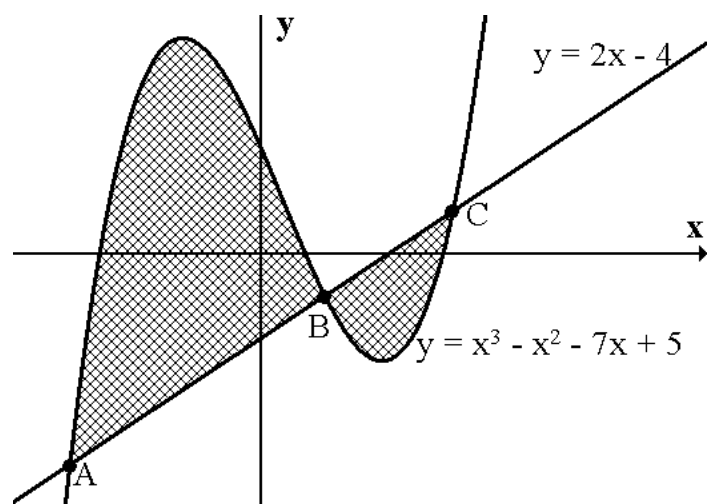
King Fahd University of Petroleum & Minerals
Department of Mathematics and Statistics

Math 102-13-Term151-Quiz.2

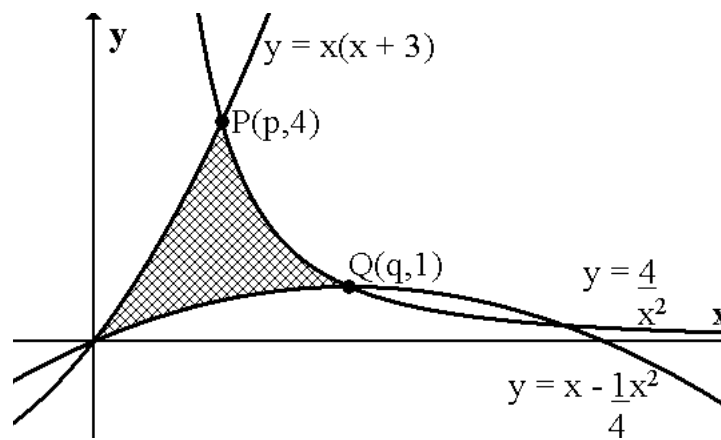
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Solve all problems. Write clearly. Points will be deducted for messy work.

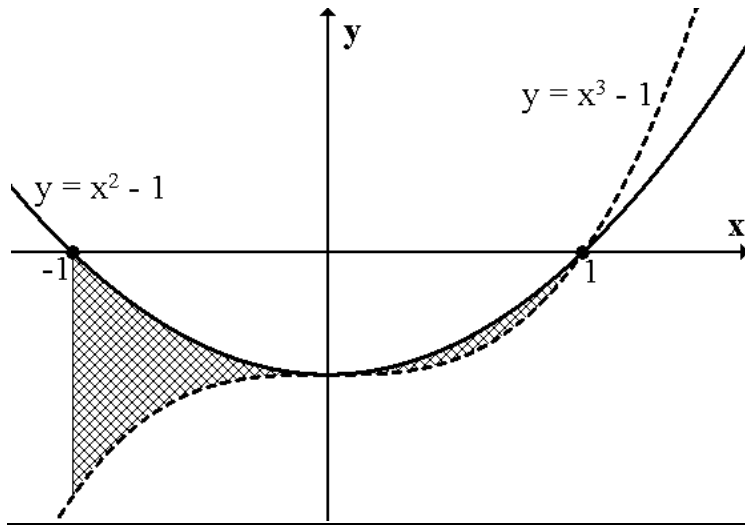
Problem 1. B has coordinates (1, -2). Find the coordinates of A and C. Then calculate the shaded area.



Problem 2. P and Q have coordinates (p,4) and (q,1). Find the values of p and q. Calculate the shaded area.



Problem 3. Calculate the area of the shaded region.



Problem 4.

Find the area of the region between the curves $y = \cos x$ and $y = \sin x$ on the interval $[-\pi/2, \pi]$.