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Ex 3) Which of the following is an equation of the normal line to y = \sin x + \cos x at x = \pi?
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A.  $y = -x + \pi - 1$ B.  $y = x - \pi - 1$ C.  $y = x - \pi + 1$ D.  $y = x + \pi + 1$ E.  $y = x + \pi - 1$ 

Ex 4) Find y" if  $y = x \sin x$ A.  $-x \sin x$ B.  $x \cos x + \sin x$ C.  $-x \sin x + 2 \cos x$ D.  $x \sin x$ E.  $-\sin x + \cos x$ 







