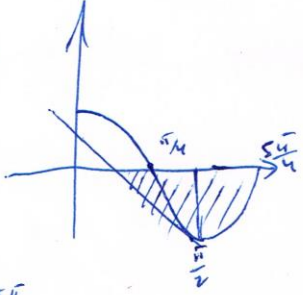


281  
4



$f' = -\sin x - \cos x$   
 $f'(\frac{\pi}{2}) = -1$   
 $y = -x + \frac{\pi}{2} - 1$   
 $x = \frac{\pi}{2} - 1$

עוקבול:

רמות נכונות

$$S = \int_{\frac{\pi}{2}}^{\frac{5\pi}{4}} [0 - (\cos x - \sin x)] dx + \text{רמות נכונות} = -\cos x - \sin x \Big|_{\frac{\pi}{2}}^{\frac{5\pi}{4}} + \left[ \frac{\pi}{2} - \left( \frac{\pi}{2} - 1 \right) \right] \cdot 1 = \sqrt{2} + 1 + \frac{1}{2} = \sqrt{2} + \frac{3}{2}$$