Lesson 16 HW (6.4) 3,5,15,17,21

3) 
$$F = S_{\times 2}(16)$$
 $W = FD$ 
 $= \int_{XL}^{5} JX = \int_{0}^{5} 5x^{2} JX = 5(-x^{-1}) \Big|_{0}^{5} 5(-\frac{1}{10} - (-\frac{1}{1}))$ 
 $= \int_{XL}^{5} JX = \int_{0}^{5} 5x^{2} JX = 5(-x^{-1}) \Big|_{0}^{5} 5(-\frac{1}{10} - (-\frac{1}{1}))$ 
 $= \int_{XL}^{5} JX = \int_{0}^{5} 5x^{2} JX = 5(-x^{-1}) \Big|_{0}^{5} 5(-\frac{1}{10} - (-\frac{1}{1}))$ 
 $= \int_{0}^{5} JX = \int_{0}^{5} 5x^{2} JX = 5(-x^{-1}) \Big|_{0}^{5} + f(x) \Big|_{0}^{5} \Big|_{0}^{5}$ 

