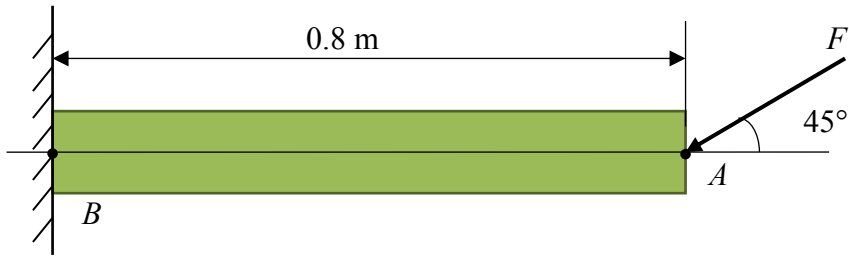13. Given the force $F \sim N(350, 5^2)$ N, determine the moment at point B.

Solution: $M_B \sim N(198, 2.83^2)$ N·m .