



8) Let $X \sim \text{Normal}(50, 100)$. Find P(45 < X < 62). (Assume that F_Z denote the CDF of standard normal distribution.)

$$\mu = 50$$
, $\sigma = \sqrt{100}$

$$\frac{2}{10}$$
 $\frac{9}{10}$ $\frac{2}{10}$ $\frac{62-50}{10}$

7>
$$F_2(1.2) - F_2(-0.5)$$