

MALEK ALISMAIL 12025 3833

$$9) z_1 = \frac{x_1 - \mu}{\sigma} = \frac{68 - 62}{12} = 0,5$$

$$z_2 = \frac{x_2 - \mu}{\sigma} = \frac{80 - 62}{12} = 1,5$$

$$P(0,5 < z < 1,5) =$$

$$P(0 < z < 0,5) = 0,1915$$

$$P(0 < z < 1,5) = 0,3849$$

$$\Rightarrow P(0,5 < z < 1,5) = 0,4322 - 0,1915 = \boxed{0,2417} = \boxed{\% 24,17}$$