

$$a) \quad P(x < 9,9) + P(x > 12,1) = \Phi(-1) + 1 - \Phi(1) =$$

$$= 2 - 2\Phi(1)$$

$$= 2 - 2 \cdot 0,8413 = 0,3174$$

$$z_1 = \frac{9,9 - 10}{0,1} = -1$$

$$z_2 = \frac{10,1 - 10}{0,1} = 1$$

$$b) \quad 2 - 2\Phi(2) = 0,06 \Rightarrow \cancel{2\Phi(2)} = \cancel{2 \cdot 0,9772}$$

$$\Rightarrow 2\Phi(2) = -1,94$$

$$\Phi(2) = 0,97$$

$$2 = 1,88$$

$$1,88 = \frac{10,1 - 10}{\sigma}$$

$$\Rightarrow 1,88\sigma = 0,1 \Rightarrow \sigma = \frac{5}{18}$$

$$\sigma^2 = \frac{25}{324}$$

$$\eta \quad \sigma^2 = 0,0771$$

$$f) \quad P_{av} = 0,3174$$

$$\binom{5}{3} P_{av}^3 (1 - P_{av})^2 = 10 \cdot 0,0319 \cdot 0,4659 = 0,1486$$

1620-21

WEE
1572

$$E\phi' = -(\nabla \phi)$$

$$h(z) = \frac{1}{2} \phi(z) - \frac{1}{2} \phi(z)$$

[illegible]

$$V = \frac{0.1}{0.1 - 0} = 2$$

$$1 = \frac{1'0}{01-6'6} = 12$$

$$\angle K'O = \angle B'O = 2 - 2 = 0$$

a) $P(x < q, q) + P(x > 12, 1) = \Phi(-1) + 1 - \Phi(1) = 2 - 2\Phi(1)$