Question a)

2004-4-15 BFN/bfn

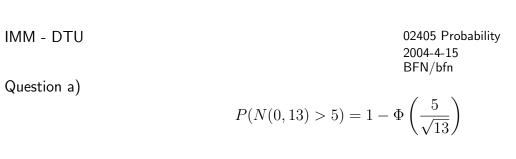
02405 Probability

P(N(0, 13) > 5)

Question a)

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$$P(N(0,13) > 5) = 1 - \Phi\left(\frac{5}{\sqrt{13}}\right)$$



Question b)

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

Question a)

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$$P(N(0,13) > 5) = 1 - \Phi\left(\frac{5}{\sqrt{13}}\right)$$

Question b)

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

Question c) Drawing helpful, suggests that the following should be true

Question a)

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$$P(N(0,13) > 5) = 1 - \Phi\left(\frac{5}{\sqrt{13}}\right)$$

Question b)

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

Question c) Drawing helpful, suggests that the following should be true

$$\Phi(1) - \Phi(-1)$$

Question a)

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$$P(N(0,13) > 5) = 1 - \Phi\left(\frac{5}{\sqrt{13}}\right)$$

Question b)

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

Question c) Drawing helpful, suggests that the following should be true

 $\Phi(1) - \Phi(-1)$

Question d)

 $P(1 > \max(X, Y) - \min(X, Y))$

Question a)

02405 Probability 2004-4-15 BFN/bfn

$$P(N(0,13) > 5) = 1 - \Phi\left(\frac{5}{\sqrt{13}}\right)$$

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

Question c) Drawing helpful, suggests that the following should be true

 $\Phi(1) - \Phi(-1)$

Question d)

$$P(1 > \max(X, Y) - \min(X, Y) = P(1 > |X - Y|)$$

Question a)

$$\label{eq:BFN/bfn} \begin{split} &\mathsf{BFN/bfn}\\ &P(N(0,13)>5) = 1 - \Phi\left(\frac{5}{\sqrt{13}}\right) \end{split}$$

02405 Probability

2004-4-15

Question b)

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

Question c) Drawing helpful, suggests that the following should be true

 $\Phi(1) - \Phi(-1)$

Question d)

$$P(1 > \max(X, Y) - \min(X, Y) = P(1 > |X - Y|) = \Phi\left(\frac{1}{\sqrt{2}}\right) - \Phi\left(\frac{-1}{\sqrt{2}}\right)$$