Exercise: Variance calculation

(1/1 point)

Suppose that $\mathrm{var}(X) = 2$. The variance of $2 - 3X$ is:

$\mathrm{var}(2 - 3X) =$ 18 ✔ **Answer:** 18

Answer:
The random variable $2 - 3X$ is of the form $aX + b$, with $a = -3$ and $b = 2$. Thus, $\mathrm{var}(2 - 3X) = (-3)^2\mathrm{var}(X) = 9 \cdot 2 = 18$.

You have used 2 of 2 submissions

Exercises 7 due Mar 02, 2016 at 23:59 UTC

Solved problems

Additional theoretical material

Problem Set 4
Problem Set 4 due Mar 02, 2016 at 23:59 UTC

Unit summary

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