Exercise: Expectation calculation

(1/1 point)

The PMF of the random variable Y satisfies $p_Y(-1) = 1/6$, $p_Y(2) = 2/6$, $p_Y(5) = 3/6$, and $p_Y(y) = 0$ for all other values y. The expected value of Y is:

$\mathbf{E}[Y] =$ 3 ✔ **Answer:** 3

Answer:

$$\mathbf{E}[Y] = (-1) \cdot \frac{1}{6} + 2 \cdot \frac{2}{6} + 5 \cdot \frac{3}{6} = \frac{18}{6} = 3.$$

You have used 1 of 2 submissions

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

Solved problems

Additional theoretical material

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

Unit summary