

Quiz 4 MATH 1550 Fall 2018

Find the mean of the following discrete probability distribution:

x	0	1	2	3	4	5	6
P(x)	0.032	0.062	0.152	0.296	0.219	0.156	0.083

Soln: Calculate

$$\begin{aligned}\mu &= 0(0.032) + 1(0.062) + 2(0.152) \\ &\quad + 3(0.296) + 4(0.219) \\ &\quad + 5(0.156) + 6(0.083)\end{aligned}$$

$$= 3.408$$