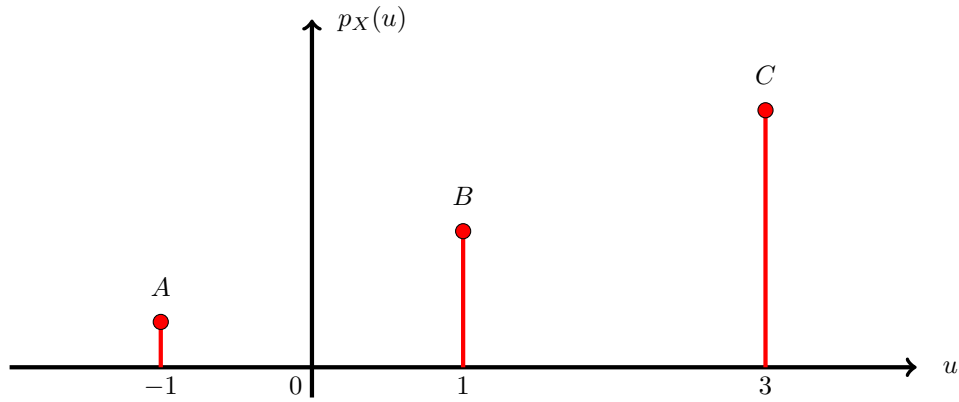


Let X be a discrete random variable whose probability mass function is shown below. If the expected value of X is $5/2$, and the probability that X^2 is larger than $2(3X - 4)$ is $1/5$, then what is B ?



- (a) $3/20$
- (b) $3/10$
- (c) $1/10$
- (d) $1/4$
- (e) $1/8$
- (f) $7/10$
- (g) $5/20$
- (h) $3/4$
- (i) $3/8$
- (j) $7/20$
- (k) $1/2$
- (l) None of these