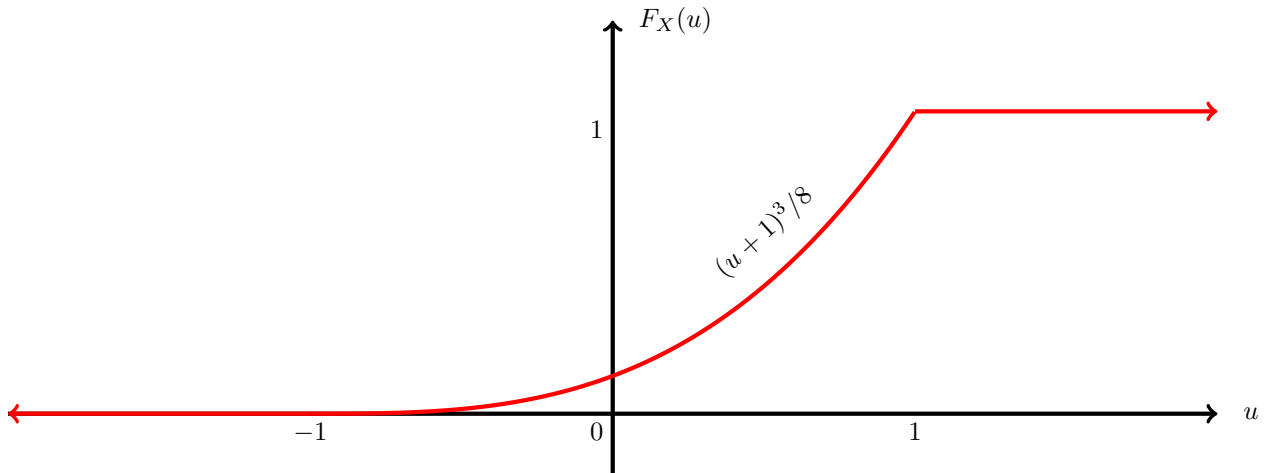


Let X be a random variable whose cumulative distribution function is $(u + 1)^3/8$ on $[-1, 1]$, as shown below. What is the expected value of X ?



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