We perform an experiment such that for each positive integer n, the number n is produced with probability 2^{-n}. A random variable X then converts the outcome n into the fraction $\frac{1}{2n-5}$. What is the probability that $\frac{3X}{X^2+1}$ times $X^4 + 2X^2 + e^X$ is positive ?

(a) 1/4

(b) 3/4

(c) 1/8

(d) 7/8

(e) 1/3

(f) 2/3

(g) 1/2

(h) 1/6

(i) 5/6

(j) 1

(k) 0

(l) None of these