280. A compound Poisson claim distribution has $\lambda = 5$ and individual claim amounts distributed as follows:

x	$f_X(x)$	
5	0.6	
k	0.4	where $k > 5$

The expected cost of an aggregate stop-loss insurance subject to a deductible of 5 is 28.03.

Calculate k.

(A) 6

(B) 7

(C) 8

(D) 9

(E) 10