1. Let $X_{1}$ and $X_{2}$ be two independent random variables. $X_{1}$ is normal $N(1,1)$ and $X_{2}$ is normal $N(0,2)$. Find $c$ such that

$$
P\left\{X_{1}-2 X_{2} \leq c\right\}=.1
$$

using one of the tables in your book.

