HW 5 Problem 6 *I think?*

[Some flowery prose that incorporates the points below.]

- There are 10 total problems on the homework, and 3 of them are about Derbinsky
- 70% of the problems about Derbinsky are mean.
- 90% of the problems that are mean are about Derbinsky
- Find the probability of a random problem being mean and about Derbinsky

Let M be the event of a random problem being mean.
Let D be the event of a random problem being about Derbinsky.

$P(D) = \frac{3}{10}$ $P(M|D) = \frac{7}{10}$ $P(D|M) = \frac{9}{10}$