

Probability Assignment

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I	Problem I-A I-B	11 Question	
I. PROBLEM1			
A. Question A die has two faces each with number '1', three faces each with number '2' and one face with number '3'. If die is rolled once, determine (i) P(2) (ii) P(1 or 3) (iii) P(not 3)			
B. Solution Total number of faces = 6 i) Number faces with number '2' = 3			
		$P(2) = \frac{3}{6} = \frac{1}{2}$	
ii) $P(1 + 3) = P(1) + P(3) - P(13)$			
iii) I	Numbe So, P(P(3') = 1	er faces with number '1' = 2 $P(1) = \frac{2}{6}$ er faces with number '3' = 1 $P(3) = \frac{1}{6}$ $P(13) = 0$ $1 + 3) = \frac{2}{6} + \frac{1}{6} - 0 = \frac{3}{6} = \frac{1}{2}$ $1 - P(3)$ er faces with number '3' = 1	
	ruilibe	P(3) = $\frac{1}{6}$ P(3') = $1 - \frac{1}{6} = \frac{5}{6}$	
		$P(3') = 1 - \frac{1}{6} = \frac{5}{6}$	