probability of an event

exercise 2

Roll two dice, each with numbers 1–6. Let X denote the first roll and Y the second roll.

(a) Find the probability $P(X = 1)$

(b) Let $Z = \min(X, Y)$ and find the probability $P(Z = 6)$

(c) Let $Z = \min(X, Y)$ and find the probability $P(Z = 3)$

	1	2	3	4	5	6
6						
5						
4						
3						
2						
1						

equally likely outcomes