Name: Key

April 2, 2010

 \mathcal{L} (1) What is at the top of the main Math 10 webpage?

3/port (2) (a) Find the probability that a red die and a green die rolled together show numbers that add to 7.

(b) Is the event in (a) independent from the event "the red die shows a 1"?

event Al sum 11 7.

event b 1 red shows 1

note: here Caprouch 1:

The fact

I not $A = \frac{1}{6}$ That prob B's

That prob B's

I of the 6 extreme in B

real showing 1, so position of the of the probability of the showing 1, so position of the of the outcome in B.

also (6 is also. Independent. LO &. = (N) A so hologoralet. (in this case prob A= is irrelevant) irrelevant.

approach 21 pris 8 = 16 I of the 6 outcomes in A has the red showing 1, so pob B giren A= &

(c) What is the probability that the red and green dice sum to 7 and the red die shows a 1?

approach 2' the only outcome in ALB is real 1, year 6: pris 1