order does not matter Combinateun ice cream bowl 5-22-22 English 67F rip wallet Today at 10:28 AM Carlos has to get a good score on a test when guessing. If there are 20 questions with 6 multiple choice answers each question and it takes 10 right questions to pass, can he pass? = 10 = { (0, 11, 12, 13, ... 20} sing = y y = rsing 1 2 3 4 5 6 2 8 9 10 Snuess p = 1/6 Fail 1-p = 5/6 Outfit 2 pants 3 Shirts exactly
10 questions
10 questions
orderings correct incorrect 2 × 3 combination (10) from (0 objects gras S (order unimportant)

permutation

$$e^{ix} = \cos(x) + i\sin(x)$$

$$e^{i\pi} = \cos(\pi) + i\sin(\pi)$$

$$= -(+i(0))$$