

MATH 5010 – Quiz 6

Name:

Date:

2.41 A 6-sided die is rolled 5 times. What is the probability that an odd number comes up at least once?

Let $A = \{\text{no odd numbers come up.}\}$
 $B = \{\text{at least one odd comes up.}\}$

$$P(A) = \left(\frac{1}{2}\right)^5$$

$$P(B) = 1 - P(A) = \boxed{1 - \left(\frac{1}{2}\right)^5}$$

since $B = A^c$.