AQA – Type I and Type II errors – AS Further Mathematics Statistics

1. June/2019/Paper_2/No.2

   A binomial hypothesis test was carried out at the 5% level of significance with the hypotheses

   $$H_0 : p = 0.6$$

   $$H_1 : p > 0.6$$

   A sample of size 30 was used to carry out the test.

   Find the probability that a Type I error was made.

   Circle your answer.

   [1 mark]

   | 4.4% | 4.8% | 5.0% | 9.4% |