

**Statistical hypothesis testing – AS Mathematics P2**

1. **June/2022/Paper\_7356/02/No.16**

It is believed that a coin is biased so that the probability of obtaining a head when the coin is tossed is 0.7

(a) Assume that the probability of obtaining a head when the coin is tossed is indeed 0.7

(a) (i) Find the probability of obtaining exactly 6 heads from 7 tosses of the coin.

[1 mark]

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(a) (ii) Find the mean number of heads obtained from 7 tosses of the coin.

[1 mark]

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