

Name Prof. M

Mathematics 2602

Quiz 7

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1. If you flip a coin 10 times, how many ways are there to get 7 tails?

$$\binom{10}{7}$$

2. What is the coefficient of x^4y^{12} in $(2x + 5y)^{16}$?

$$\binom{16}{4} 2^4 5^{12}$$

3. How many different strings can you make from DISCRETEMATH using all of the letters?

$$11! / 2! 2!$$