Name _____

**1** What is the value of this probability expression?

$$\frac{(_6C_5) \cdot (_6C_6)}{_6C_3}$$

A $\dfrac{2}{5}$  B $\dfrac{3}{4}$  C $\dfrac{3}{10}$

D $6$

**2** What is the value of this probability expression?

$$\frac{(_6C_3) \cdot (_5C_3)}{_3C_3}$$

A $100$  B $1$  C $200$

D $20$

**3** What is the value of this probability expression?

$$\frac{(_6C_5) \cdot (_2C_2)}{_5C_5}$$

A $6$  B $1$  C $\dfrac{1}{5}$

D $15$

**4** What is the value of this probability expression?

$$\frac{(_4C_2) \cdot (_6C_6)}{_6C_3}$$

A $\dfrac{3}{4}$  B $\dfrac{3}{10}$  C $6$

D $\dfrac{1}{15}$  E $\dfrac{1}{20}$

**5** What is the value of this probability expression?

$$\frac{(_5C_3) \cdot (_6C_2)}{_5C_2}$$

A $\dfrac{3}{4}$  B $6$  C $\dfrac{15}{2}$

D $15$  E $10$

**6** What is the value of this probability expression?

$$\frac{(_3C_3) \cdot (_3C_3)}{_6C_5}$$

A $\dfrac{1}{6}$  B $\dfrac{1}{90}$  C $1$

D $\dfrac{1}{15}$

**7** What is the value of this probability expression?

$$\frac{(_5C_2) \cdot (_4C_2)}{_6C_5}$$

A $\dfrac{5}{2}$  B $4$  C $60$

D $1$  E $10$

**8** What is the value of this probability expression?

$$\frac{(_5C_4) \cdot (_4C_3)}{_4C_2}$$

A $\dfrac{2}{3}$  B $\dfrac{5}{6}$  C $10$

D $\dfrac{5}{3}$  E $\dfrac{10}{3}$