

Name : _____

Evaluating Combinations

L2S3

Evaluate the following.

1) $\frac{28C(9, 5)}{C(42, 41) \times C(57, 55)} + 2C(1, 1)$ 2) $\frac{C(58, 56) - C(93, 91)}{25C(6, 2)}$

3) $\frac{C(10, 4) \times C(36, 35)}{5(-C(2, 1) + C(9, 7))}$

5) $\frac{C(7, 3) - C(25, 24)}{C(18, 16) - C(2) + C(10, 7)}$

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Evaluating Combinations

Evaluate the following.

$$1) \frac{28C(9, 5)}{C(42, 41) \times C(57, 55)} + 2C(1, 1) \qquad 2) \frac{C(58, 56) - C(93, 91)}{25C(6, 2)}$$

$$\frac{39}{19} \text{ or } 2\frac{1}{19}$$

$$3) \frac{C(10, 4) \times C(36, 35)}{5(-C(2, 1) + C(9, 7))}$$

$$1,155$$

$$5) \frac{C(7, 3) - C(25, 24)}{C(18, 16) - C(2) + C(10, 7)}$$

$$-23$$

$$4$$

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