

Name : _____

Evaluating Combinations

L2S2

Evaluate the following.

$$1) \frac{32C(43, 41)}{43C(64, 62)} + \frac{15}{C(6, 3)}$$

$$2) \frac{C(36, 34) - C(7, 5)}{C(9, 6) \times C(3, 3)}$$

$$3) \frac{C(58, 56) + C(86, 84)}{C(9, 8)}$$

$$5) \frac{-C(75, 70) \times 2! 3!}{71C(5, 1) \times 9}$$

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$$2) \frac{C(36, 34) - C(7, 5)}{C(9, 6) \times C(3, 3)}$$

$$\frac{13}{12} \text{ or } 1\frac{1}{12}$$

$$3) \frac{C(58, 56) + C(58, 57)}{C(86, 84)} - C(9, 8)$$

$$19$$

$$5) \frac{-C(75, 70) \times C(75, 71)}{71C(5, 1) \times 9}$$

$$-365$$

$$\frac{79}{6} \text{ or } 13\frac{1}{6}$$

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