

Name : _____

Evaluating Permutations

L2S4

Evaluate the following.

$$1) \frac{2P(42, 1) - P(34, 1)}{P(11, 2) - P(5, 2)}$$

$$2) \frac{P(9, 5) - P(8, 6)}{P(4, 3) + P(7, 4) - 24}$$

$$3) \frac{P(12, 24)}{720(-2P(4, 24) - P(9, 3))} - \frac{31}{384}$$

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$$5) \frac{P(7, 3)}{30} + \frac{P(19, 2)}{P(19, 2)}$$