

Name : _____

Evaluating Permutations

L1S2

Evaluate the following.

1) $9 + 3P(6, 3)$ 2) $8P(7, 2) + 4! P(3, 1)$ 3) $\frac{P(11, 5)}{110}$

4) $-52 - P(9, 4)$

PREVIEW

$23P(5, 3)$

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7) $7! - P(8, 5)$

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$-P(15, 3) \times P(2, 2)$

10) $-P(4, 4) + P(4, 3)$ 11) $\frac{448}{P(64, 2)} + 2!$ 12) $P(7, 5) - P(29, 2)$

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Name : _____

Answer key

Evaluating Permutations

L1S2

Evaluate the following.

1) $9 + 3P(6, 3)$ 2) $8P(7, 2) + 4! P(3, 1)$ 3) $\frac{P(11, 5)}{110}$

369

408

504

4) $-52 - P(9, 4)$

PREVIEW

$23P(5, 3)$

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-3,076

1,380

7) $7! - P(8, 5)$

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$-P(15, 3) \times P(2, 2)$

-1,680

-5,460

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10) $-P(4, 4) + P(4, 3)$

11) $\frac{448}{P(64, 2)} + 2!$

12) $P(7, 5) - P(29, 2)$

0

$\frac{19}{9}$ or $2\frac{1}{9}$

1,708