

Name : _____

Evaluating Permutations

L1S3

Evaluate the following.

1) $\frac{8P(12, 7)}{9!}$

2) $P(18, 3) - 7!$

3) $-P(5, 2) + P(11, 3)$

4) $P(7, 5) \times P(2, 2)$

PREVIEW

$-\frac{6!}{P(9, 6)}$

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7) $P(4, 4) + P(3, 1)$

$2P(23, 2)$

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10) $-860 + P(13, 3)$

11) $-\frac{P(70, 2)}{P(6, 4)}$

12) $93 + P(15, 1)$

Name : _____

Answer key

Evaluating Permutations

L1S3

Evaluate the following.

1) $\frac{8P(12, 7)}{9!}$

88

2) $P(18, 3) - 7!$

-144

3) $-P(5, 2) + P(11, 3)$

970

4) $P(7, 5) \times P(2, 2)$

PREVIEW

$-\frac{6!}{P(9, 6)}$

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5,040

$-\frac{1}{84}$

7) $P(4, 4) + P(3, 1)$

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$2P(23, 2)$

27

1,012

10) $-860 + P(13, 3)$

11) $-\frac{P(70, 2)}{P(6, 4)}$

12) $93 + P(15, 1)$

856

$-\frac{161}{12}$ or $-13\frac{5}{12}$

108