Name : _____

Permutations & Combinations

Evaluate the following.

1) $-C(20, 18)$

2) $\dfrac{C(6, 5) \times P(4, 1)}{3}$

3) $8 - P(3, 3) - P(2, 2)$

4) $\dfrac{C(3, 1)}{P(4, 2)}$

5) $-\dfrac{P(8, 2)}{C(5, 3) + 6}$

6) $4! + C(61, 60)$

7) $3P(6, 4)$

8) $-P(9, 3) + C(17, 14)$

9) $C(8, 7) - P(5, 1)$

10) $-C(4, 3) \times P(7, 4)$

11) $2! - \dfrac{11}{C(5, 5)}$

12) $6C(7, 5) + 5P(9, 2)$