

Combinatorics Answer Key

Warm-up:

- a. n^k
- b. $nPk = \frac{n!}{(n-k)!}$
- c. $\binom{c}{k} = nCk = \frac{n!}{k!(n-k)!}$
- d. $\binom{n+k-1}{n-1} = \binom{n+k-1}{k}$

Exercises:

1. D
2. A
3. D
4. C
5. D
6. C
7. C
8. E
9. B
10. A