

Use the binomial theorem and Pascal's Triangle to expand each of the following.

1. $(x + 2y)^6$

2. $(3r - 4m)^5$

3. $(3a + \frac{2}{3}b)^4$

4. $(4x - 5y)^{10}$

5. $(3 + 4i)^5$

6. $(2 - 5i)^7$