

(C2-5.4) Name:

Homework Questions 4 – Using $(1+x)^n$ for Binomial Expansion

1. Find the first 4 terms of the following expansions using the binomial expansions

a) $(3 + x)^5$

b) $(2 - x)^7$

2. If x is so small that terms of x^3 and higher can be ignored, expand the following $(2x + 3)(1 + 2x)^5$