

Binomial Estimation

(a)	(b)	(c)
Use the first four terms in the expansion of $(1 + x)^8$ to find an approximate value for 1.02^8	Use the first four terms in the expansion of $(1 - x)^{10}$ to find an approximate value for 0.997^{10}	Use the first four terms in the expansion of $(1 + 3x)^7$ to find an approximate value for 1.006^7
(d)	(e)	(f)
Use the first three terms in the expansion of $\left(2 + \frac{x}{10}\right)^{11}$ to find an approximate value for 2.001^{11}	Use the first three terms in the expansion of $\left(3 - \frac{x}{5}\right)^9$ to find an approximate value for 2.98^9	Use the first three terms in the expansion of $\left(4 + \frac{3x}{4}\right)^6$ to find an approximate value for 4.015^6