

(v) V. accurate , next few are higher order + will be less significant.

$$\begin{array}{r}
 85986.0 \\
 -20000.0 \\
 \hline
 65986.0 \\
 -20000.0 \\
 \hline
 45986.0 \\
 -14 \times 0.001 \\
 \hline
 45984.6
 \end{array}$$

$$\frac{10.0 = 1.0}{(200.0 - 1), (200.0 + 1) = f(x)^6} \quad (1)$$

$$\begin{array}{r}
 -14x - 48x^2 \\
 -7x + 21x^2 - x - 84x^2 + 21x^4 \\
 \hline
 -17x + 60x^2
 \end{array}$$

$$(-17x + 60x^2)(-17x + 21x^2) = f(x)^6 \quad (2)$$

$$\begin{array}{r}
 1723517 \\
 161520156 \\
 15101010
 \end{array}$$

$$1 - 7x + 21x^2 - 35x^3 + 35x^4 - 21x^5 + 7x^6 + x^7$$

$$\begin{array}{r}
 14641 \\
 1331
 \end{array}$$

$$(x-1) \quad (1)$$

$$1 + 12x + 60x^2 + 160x^3$$

$$- \quad \quad \quad 6C_0 (1)(2x)^0 + 6C_1 (1)(2x)^1 + 6C_2 (1)(2x)^2 + 6C_3 (1)(2x)^3$$

$$11. (i) (1+2x)^6$$

$$\begin{array}{r}
 6 \\
 42 \\
 6
 \end{array}$$

$$\begin{array}{r}
 6 \\
 144
 \end{array}$$