

1.

a	Function: $6.6912x^2 + -1.8837x + 3.0864$ error: 0.0052457
b	Function: $21.4445 \cdot \exp(0.3985x)$ error: 94.983
c	Function: $1.8308 \cdot x^{2.0196}$ error: 0.011721

2.

Function: $-0.23263x^2 + 0.32655x + 0.49828$ error: 0.0032404
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3.

a	function: $1.6653e-16 + -1.0408e-15 \cdot \cos(4x)$ $+ -1.3878e-16 \cdot \cos(1x) + 1.9429e-16 \cdot \cos(2x) + 7.6328e-16 \cdot \cos(3x)$ $+ 2.7898 \cdot \sin(1x) + -1.7777 \cdot \sin(2x) + 0.37485 \cdot \sin(3x)$
b	0.2724
c	abs error: 22.0163% $n = 6$ 時，誤差 1%內
d	0.44