

เฉลยแบบฝึกหัด 13.2

$$1.1 \quad y = c_1 e^{\frac{(-1+\sqrt{13})x}{6}} + c_2 e^{\frac{(-1-\sqrt{13})x}{6}}$$

$$1.2 \quad y = e^{3x}(A \cos(2x) + B \sin(2x))$$

$$1.3 \quad y = (c_1 e^{(1+\sqrt{2})t} + c_2 e^{(1-\sqrt{2})t})$$

$$2.1 \quad y = \frac{3}{5} e^{2x} + \frac{2}{5} e^{-3x}$$

$$2.2 \quad y = 2 \cos(x) + 3 \sin(x)$$