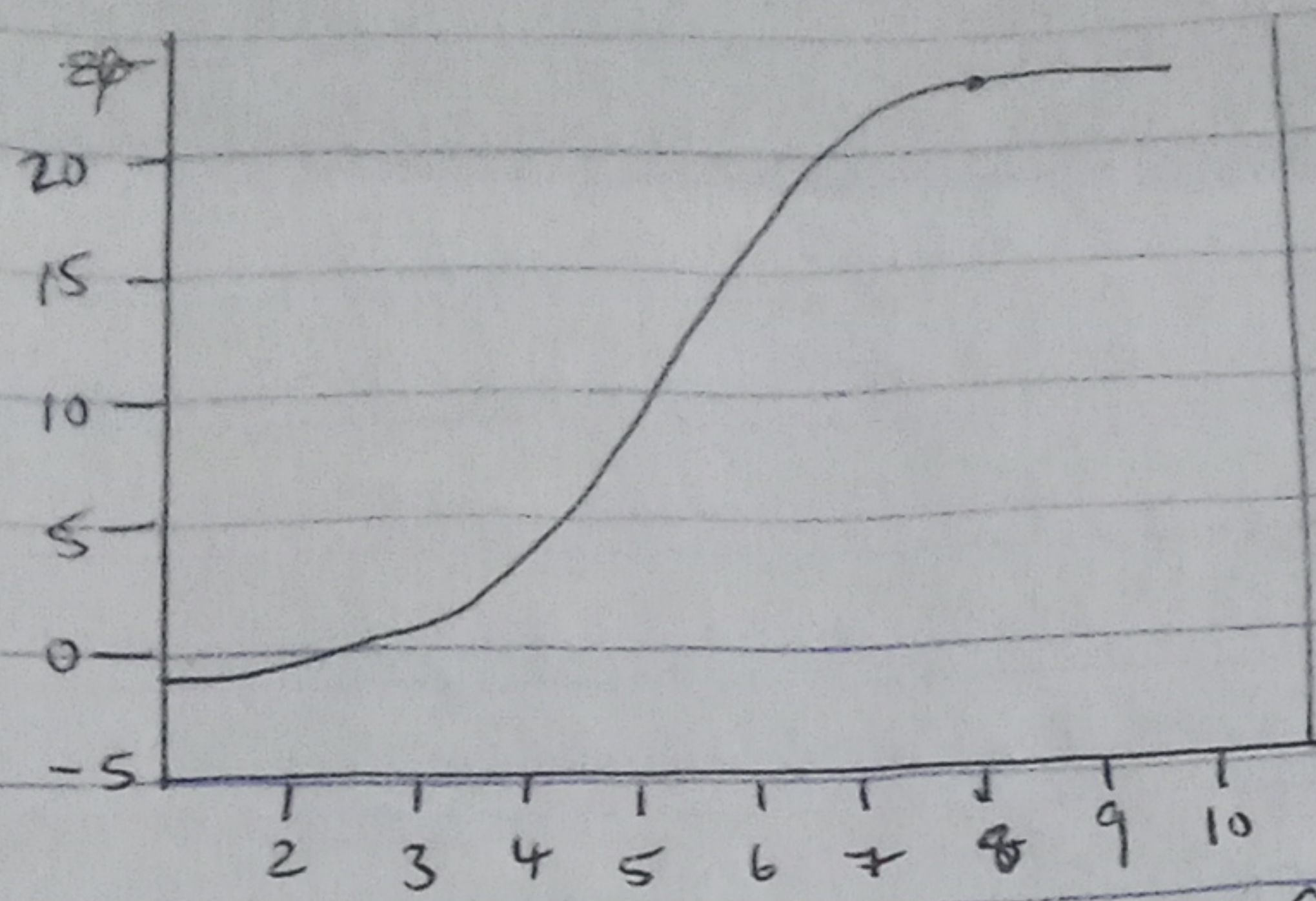


2.9000	5.3223	6.0000	13.6216
3.0000	5.841	6.1000	13.6820
3.1000	5.873	6.2000	14.1412
3.2000	6.1116	6.3000	14.5990
3.3000	6.3770	6.4000	14.6555
3.4000	6.6433	6.5000	14.9105
3.5000	6.69106	6.6000	15.9105
3.6000	7.1787	6.7000	15.1040
3.7000	7.4486	6.8000	15.4160
3.8000	7.7167	7.0000	15.6664
3.9000	7.7167	7.1000	16.4074
4.0000	7.9866	7.2000	16.6064
4.1000	8.2568	7.3000	16.4074
4.2000	8.5274	7.4000	16.165749
4.4000	9.0672	7.5000	16.8921
4.5000	9.6112	7.6000	17.1322
4.6000	9.8821	7.7000	17.3700
4.7000	10.1529	7.8000	17.6058
4.8000	10.4254	7.9000	17.8596
4.9000	10.6985	8.0000	18.6058
5.0000	10.0632	8.1000	17.8396
5.1000	11.2325	8.2000	18.0813
5.2000	11.3012	8.3000	18.3009
5.4000	12.7092	8.4000	18.5768
5.5000	12.0365	8.5000	18.9153
5.6000	12.3031	8.6000	18.9770
5.7000	12.5680	8.7000	19.1979
5.8000	12.8735	8.8000	18.4166
5.9000	18.0973	8.9000	19.6331
		9.0000	19.8172



The model equation $y = \sin(0.25t) + 2e^{-0.85t}$
 $2\cos \frac{\pi t}{10} + 0 < t < 10 \text{ hrs}, \Delta t = 0.1 \text{ hr}$

$t = 0.01 \cdot 10$

$y = \sin(0.25 \times t) + 2e^{-0.85t} - 2\cos$

$\left(\frac{y}{10}\right)$
 Plot (t, y)

grid minor
 grid on

[t, y]		
0 - 1.0000	1.4000	1.6375
0.2000 - 0.7024	1.5000	1.8637
0.3000 - 0.5413	1.6000	2.0935
0.4000 - 0.3726	1.7000	2.3266
0.5000 - 0.2049	1.8000	2.5621
0.6000 - 0.0146	1.9000	2.8021
0.7000 - 0.1738	2.000	3.0441
0.8000 - 0.366	2.1000	3.2887
0.9000 - 0.5679	2.2000	3.5358
1.0000 - 0.7727	2.3000	3.7852
1.1000 - 0.9524	2.4000	4.0567
1.2000 1.966	2.5000	4.3367
1.3000 1.4150	2.6000	4.5458
	2.7000	

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 BTENG061013
 Biomedical Engineering

$$\begin{cases} x_1 - 2x_2 - x_3 = 10 \\ 2x_1 + 3x_2 + 4x_3 = 8 \\ x_1 - 4x_3 - 2x_4 = 3 \\ -x_2 + 3x_3 + x_4 = -7 \end{cases}$$

$$A = \begin{bmatrix} 1 & -2 & -1 & 3 \\ 2 & 3 & 0 & 1 \\ 1 & 0 & -4 & -2 \\ 0 & -1 & 2 & 1 \end{bmatrix}$$

$$C = \begin{bmatrix} 10 \\ 8 \\ 3 \\ -7 \end{bmatrix}$$

$$\Delta = 0.0267$$

$$-0.0935$$

$$-0.1067$$

$$0.2267$$

$$0$$

$$0.2400$$

$$0.1600$$

$$0.0400$$

$$0.0400$$

$$0.4933 \quad 0.6667$$

$$-0.2267 \quad -0.3333$$

$$0.0261 \quad 0.3333$$

$$-0.3061 \quad 0.3333$$

$$\Sigma = -1.0000$$

$$2.0000$$

$$-3.0000$$

$$4.0000$$