2-90. See below:

    a. The slope represents the change in height of a candle per minute, $m = 0$ cm per minute.

    b. The slope represents the gallons per month of water being removed from a storage tank, $m = -900$ gallons per month.

2-91. $y = -3x + 25$

2-92. See below:

    a. -8

    b. 1

    c. -2

    d. 17

    e. -45

    f. 125

2-93. $A = 50w + 100, A = (50)(52) + 100 = 2700$

2-94. See below:

    a. See answers in bold in the table below.

Days (x)	0	2	4	6	8
Height cm (y)	30	27	24	**21**	**18**

    b. $\frac{-3 \text{ cm}}{2 \text{ day}}$ or -1.5 cm/day

    c. $y = -\frac{3}{2}x + 30$