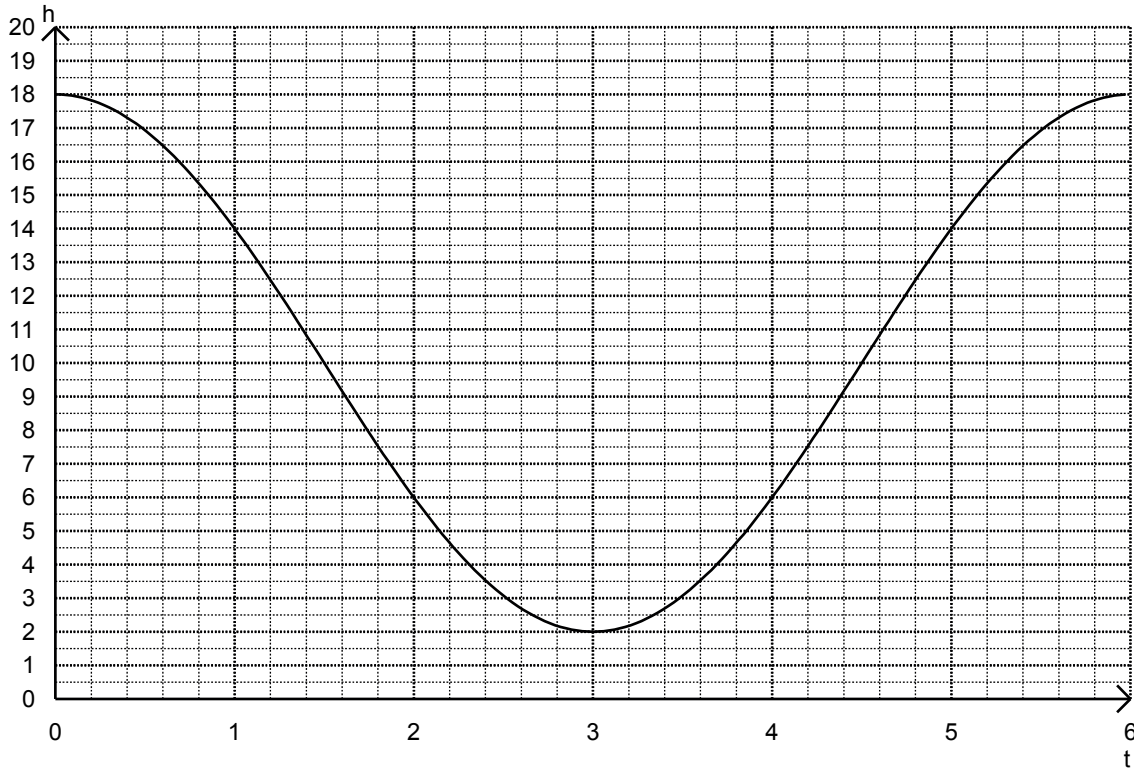


Trigonometric graphs – Answers

Trig Equations and graphs

1) (a)

t	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6
h	18	16.93	14	10	6	3.072	2	3.072	6	10	14	16.93	18



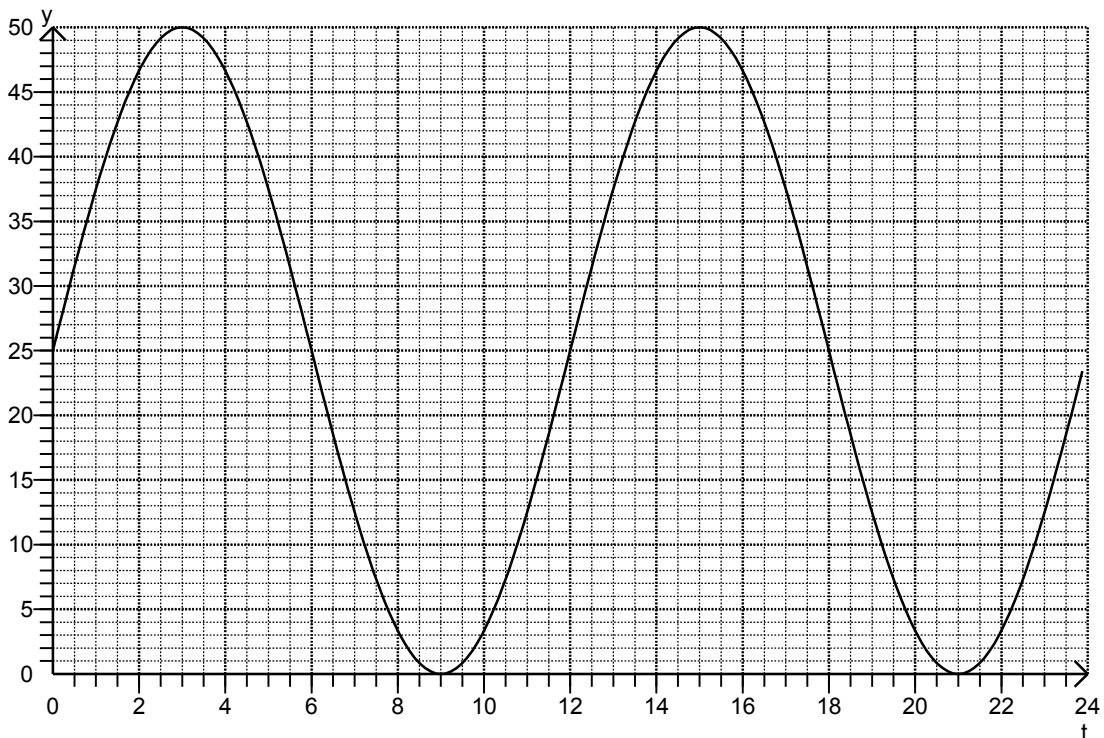
(b) $3.85 - 2.15 = 1.6$ seconds

(c) 6 seconds

(d) 1.26 seconds

2) (a)

t	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
d	25	37.5	46.65	50	46.65	37.5	25	12.5	3.349	0	3.349	12.5	25	37.5	46.65	50	46.65	37.5	25	12.5	3.349	0	3.349	12.5	25



(a) 3am and 3pm

(b) From 11.35am to 6.25pm, about 6 hours 50 minutes

(c) 1.14pm