

5.5 Modeling with Trigonometric Functions:

The maximum height of a tide at Tofino on a certain day is

60 cm, this occurs at 1AM. The next low tide is 10 cm and this occurs at 8 AM.

- a. Graph the height of the water, *h* at any time, *t*.
- b. Determine a sinusoidal function of the height of the water, *h* at any time, *t*.

