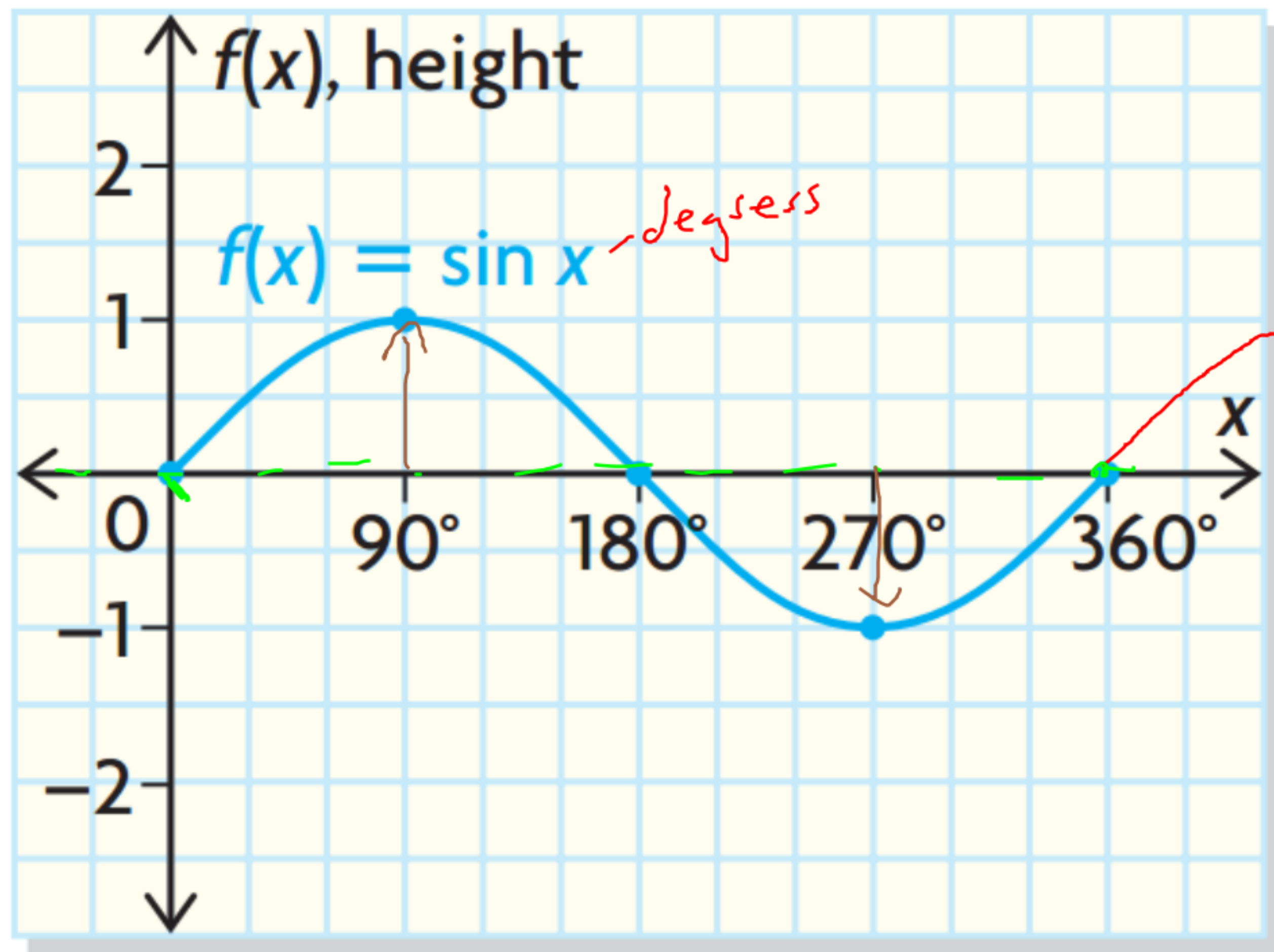


Mathematics 11UC

6.3 – Investigating Sine Functions

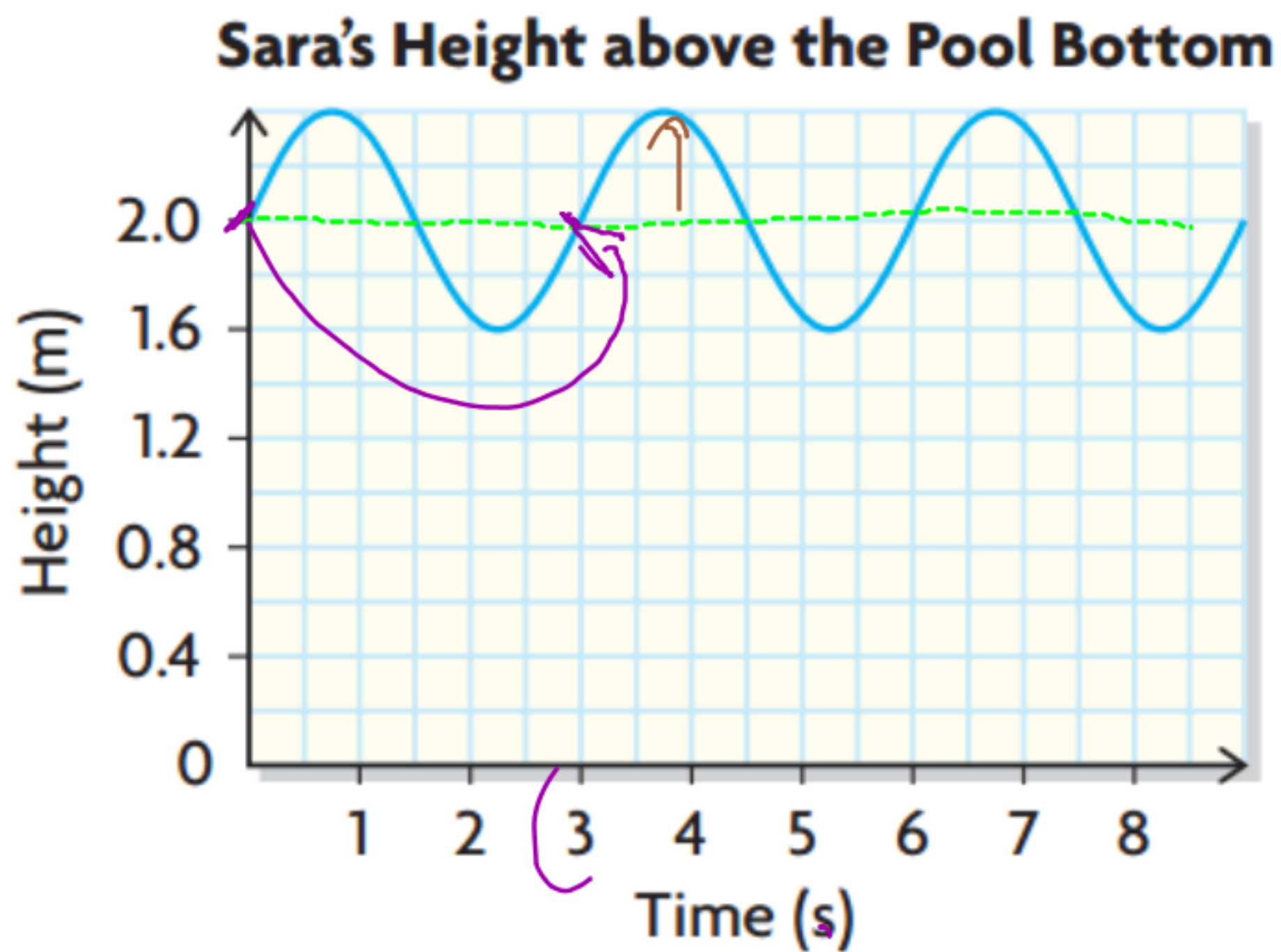
Mr. D. Hagen



Peak = 1, Trough = -1
Range: $-1 \leq f(x) \leq 1$
Period: 360°

Equation of axis
 $y = 0$

Amplitude is 1



Peak = 2.4 Trough = 1.6

Equation of Axis: $y = 2$

$$\frac{2.4 + 1.6}{2} = \frac{4}{2} = 2$$

Amplitude: 0.4

Period = 3 seconds

Range: $1.6 \leq h \leq 2.4$

Graph given:

- Period is 10
- Amplitude is 4
- Equation of the axis is 5
- Cycles: 2

