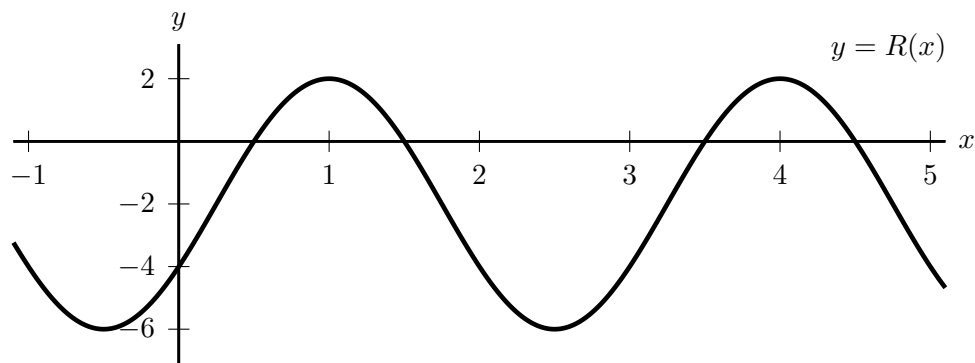


8. [6 points] Given below is the graph of a sinusoidal function $R(x)$.



Find a possible formula for $R(x)$.

Answer: $R(x) =$ _____

9. [4 points] The table below gives several values of a function $w(x)$.

x	4.5	4.9	4.99	5	5.01	5.1	5.5
$w(x)$	-0.879	-0.154	-0.015	0	0.060	0.630	3.750

Use the information in the table above to estimate the following limit.

$$\lim_{h \rightarrow 0^-} \frac{w(5+h)}{h}$$

Clearly show any computations that you use to make this estimate.

Answer: $\lim_{h \rightarrow 0^-} \frac{w(5+h)}{h} \approx$ _____