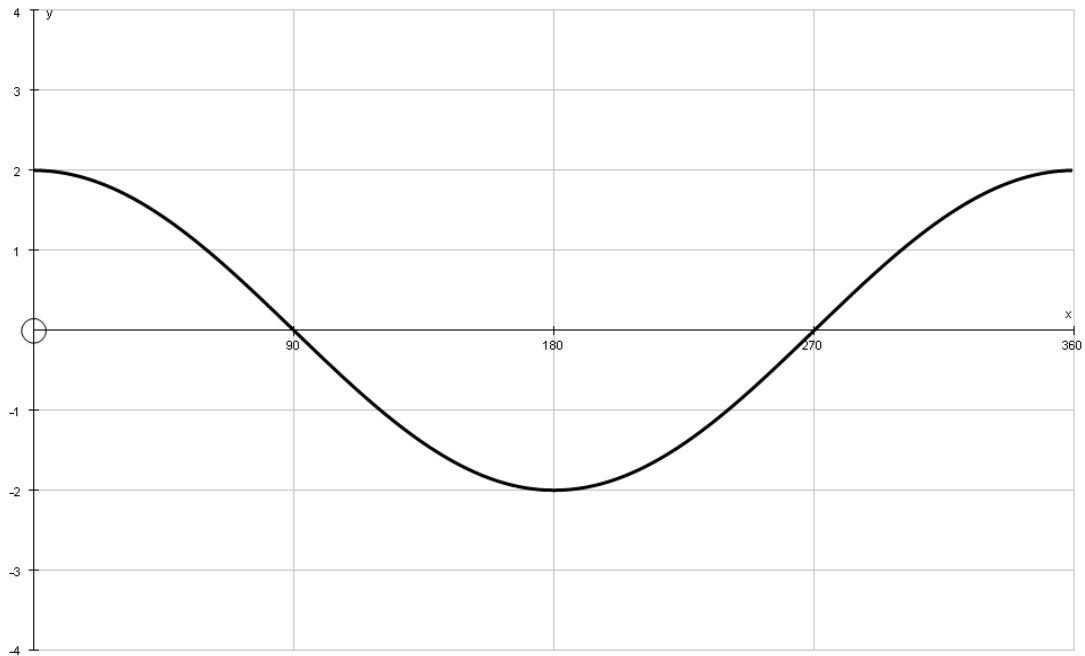


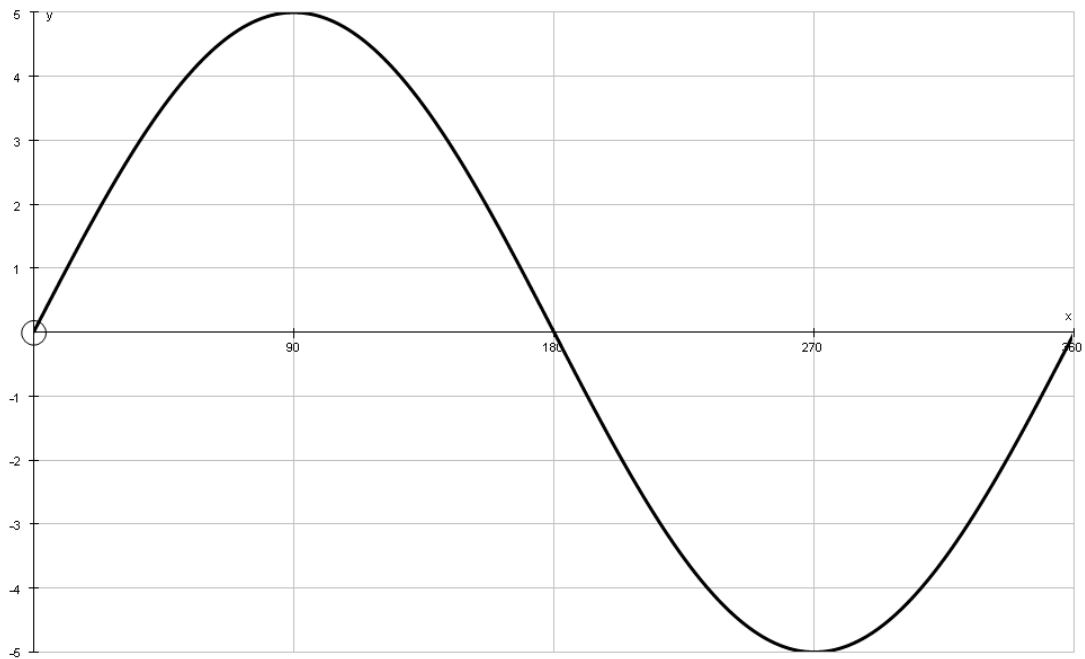
Trig curves

IB Studies/SL/HL

1. The graph below show $y = a \cos x$. Give the amplitude of the curve.



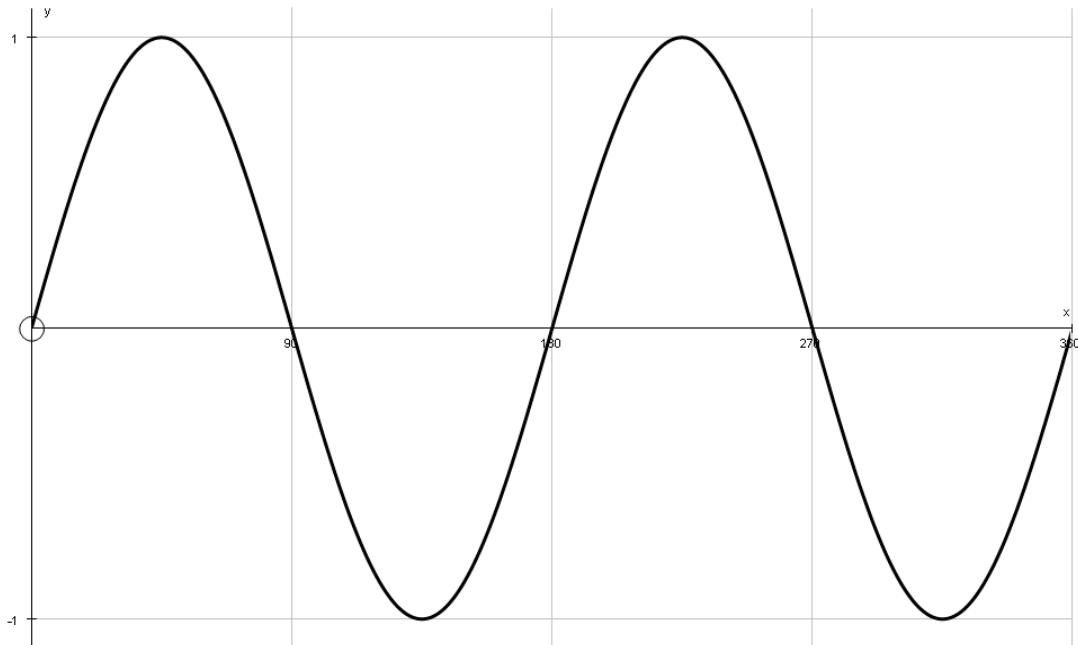
2. The graph below shows $y = a \sin x$. Find the value of a .



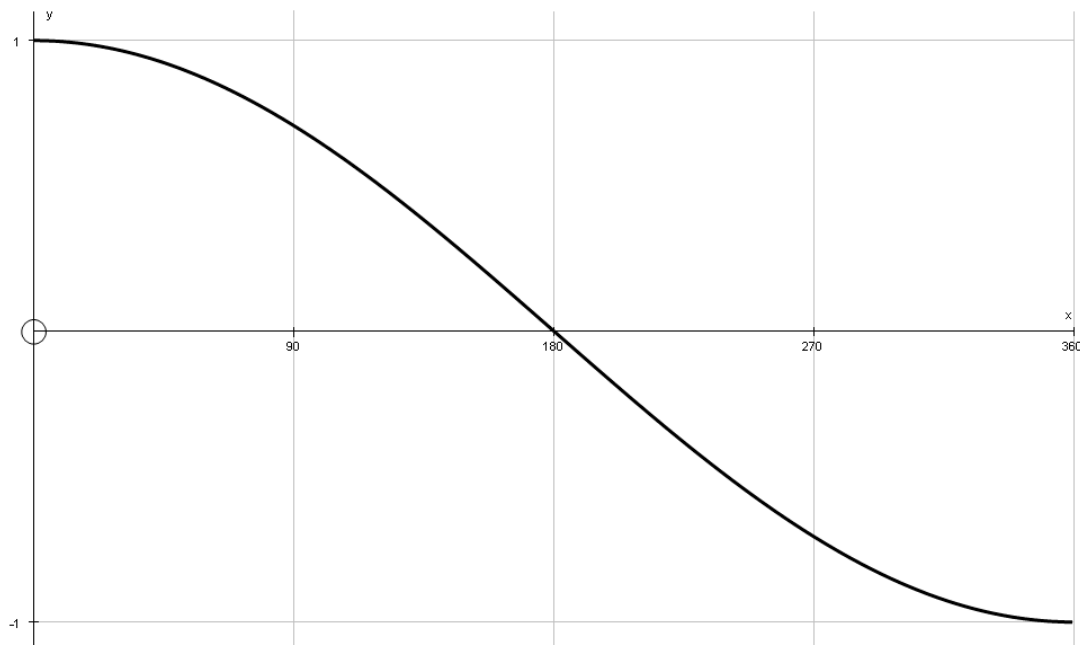
Trig curves

IB Studies/SL/HL

3. The graph below shows $y = \sin bx$. Find the value of period of the graph.



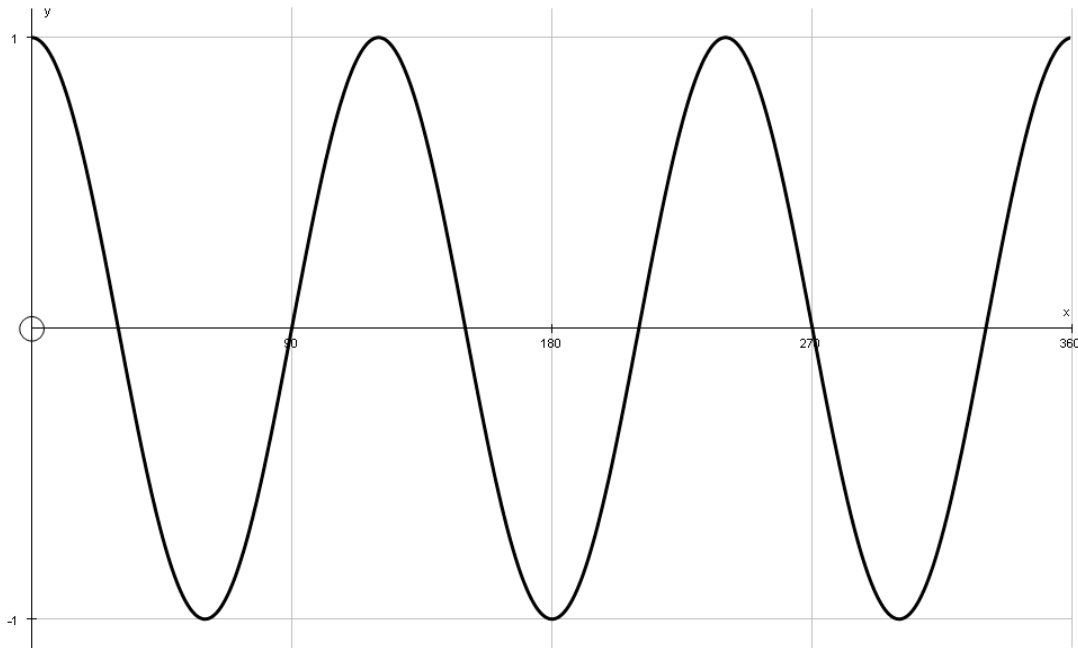
4. The graph below shows $y = \cos(bx)$. Find the period of the graph.



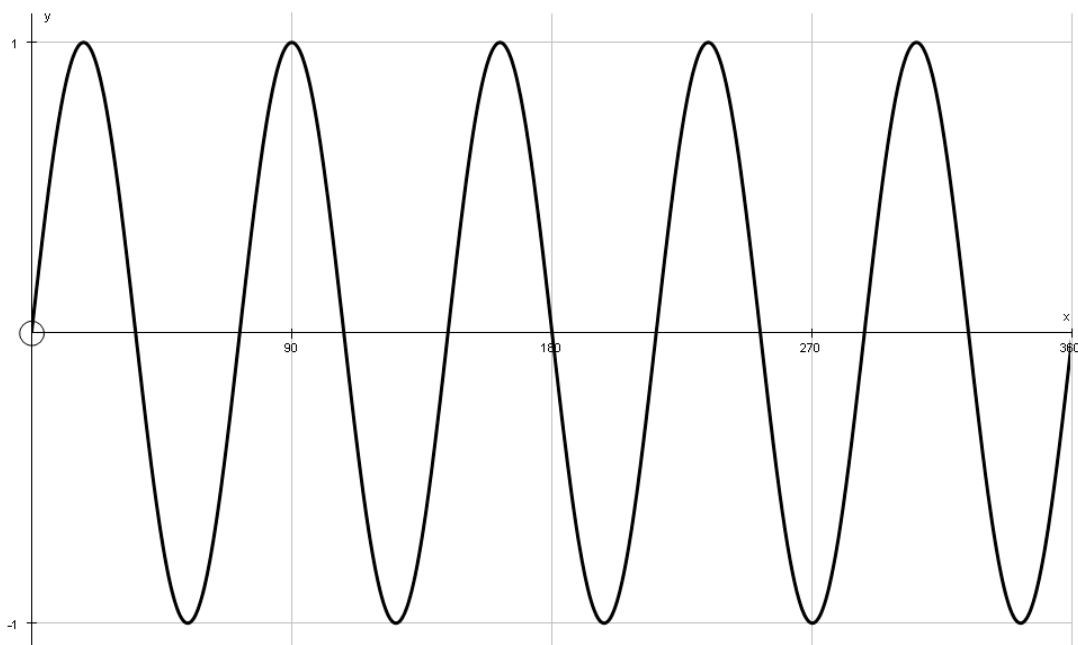
Trig curves

IB Studies/SL/HL

5. a) The graph below shows $y = \cos(bx)$. Find the value of b .



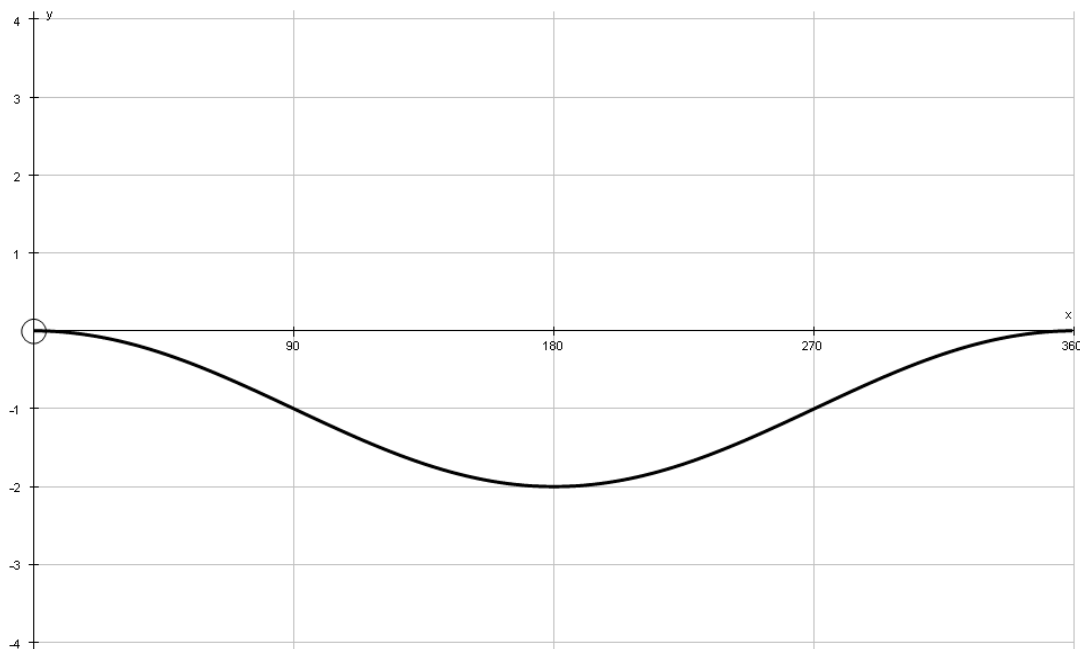
b) The graph below shows $y = \sin(bx)$. Find the value of b .



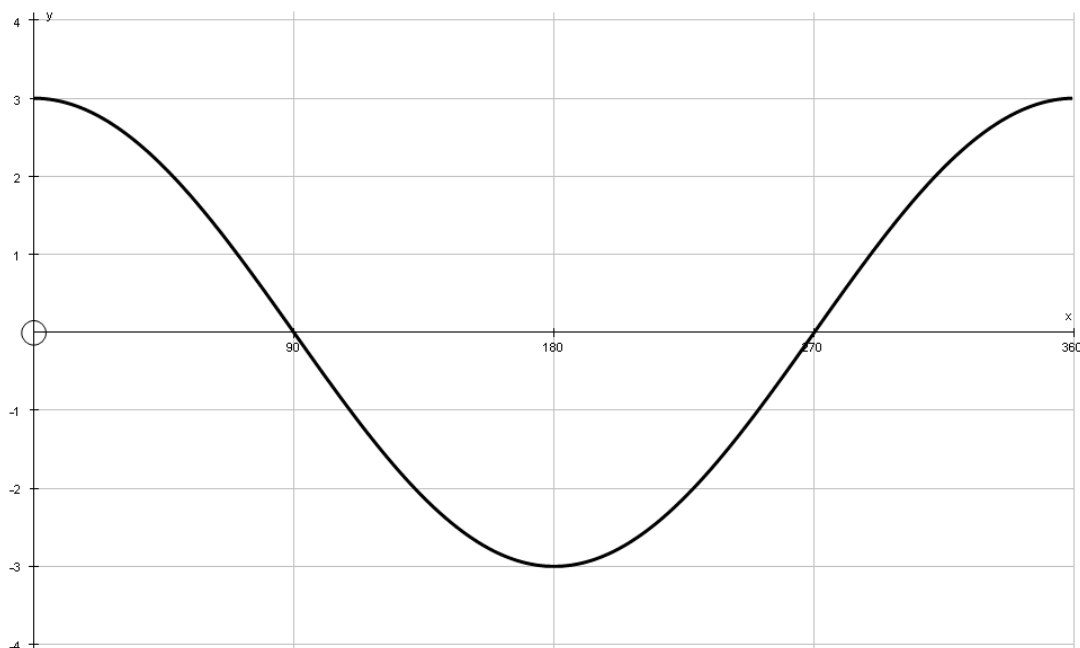
Trig curves

IB Studies/SL/HL

6. a) The graph below shows $y = \cos(x) + c$. Find the value of c .



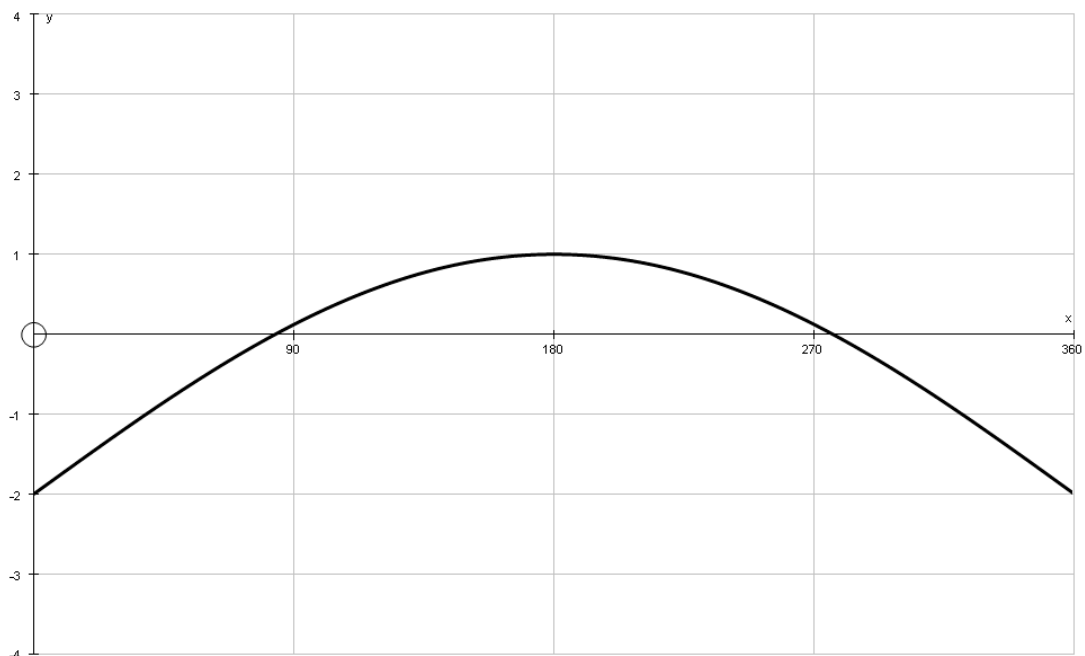
b) The graph below shows $y = 3\cos(x) + c$. Find the value of c .



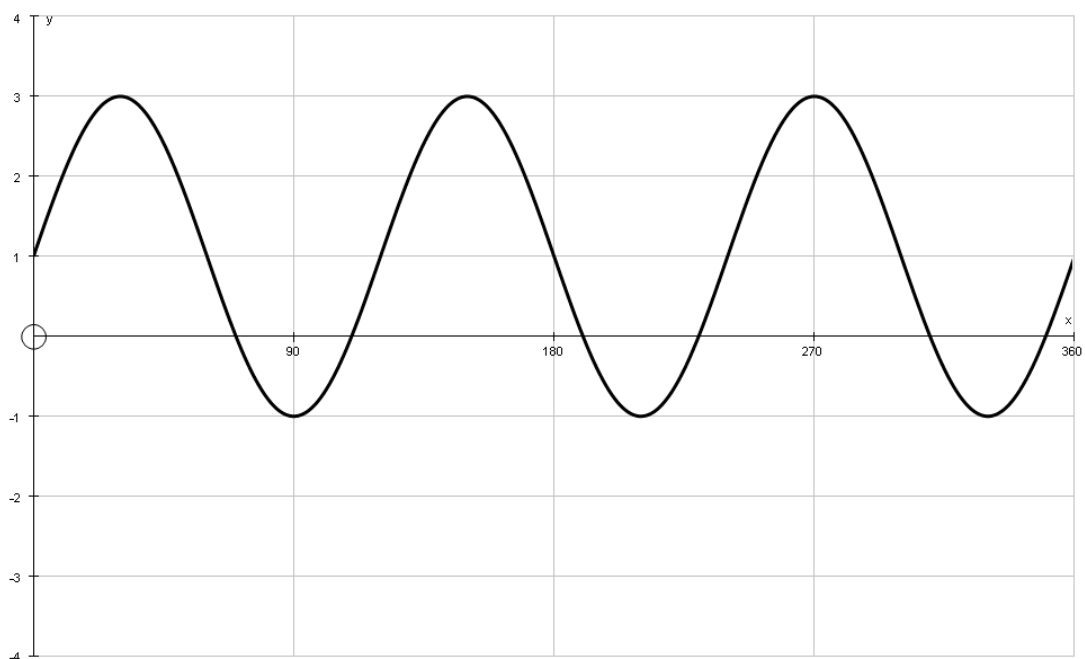
Trig curves

IB Studies/SL/HL

7. a) The graph below shows $y = a\sin(bx) + c$. Find the value of a , b , and c .



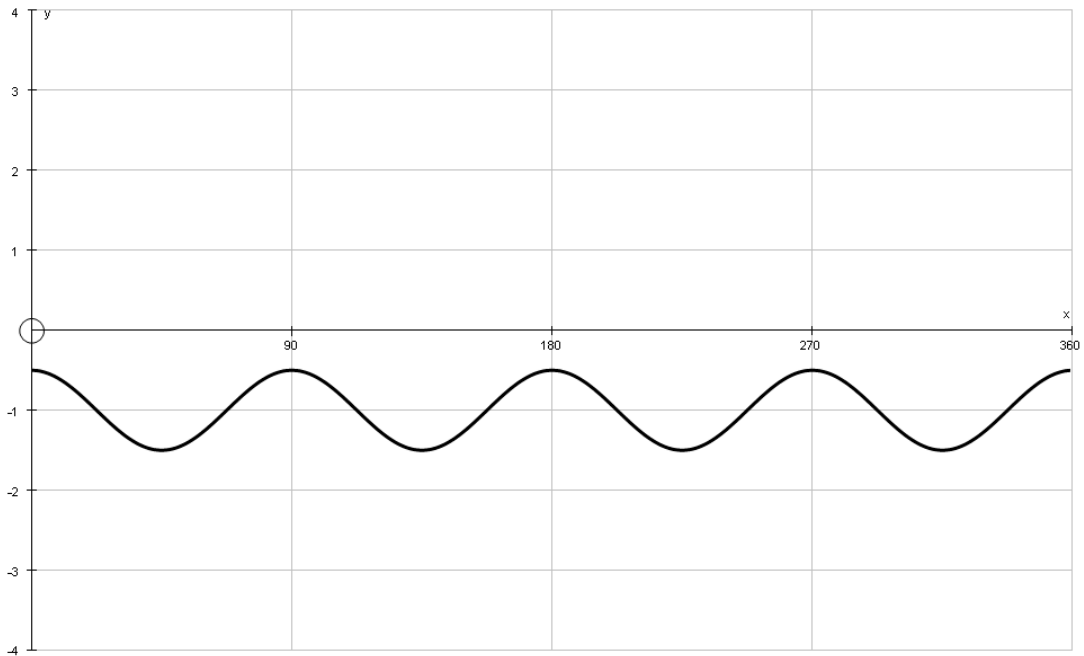
- b) The graph below shows $y = a\sin(bx) + c$. Find the value of a , b , and c .



Trig curves

IB Studies/SL/HL

- c) The graph below shows $y = a\cos(bx) + c$. Find the value of a , b , and c .



Trig curves

IB Studies/SL/HL

Answers

1. $a = 2$

2. $a = 5$

3. $b = 2$

4. $b = \frac{1}{2}$

5. a) $b = 3$ b) $b = 5$

6. a) $a = -1$ b) $c = 0$

7. a) $a = 3, b = \frac{1}{2}, c = -2$

b) $a = 2, b = 3, c = 1$

c) $a = \frac{1}{2}, b = 4, c = -1$