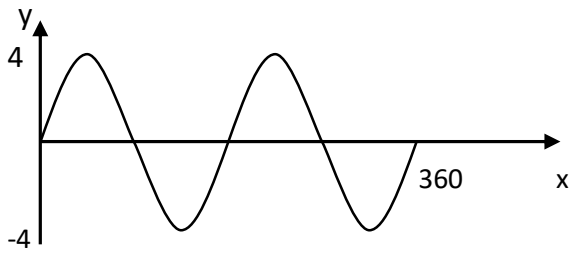
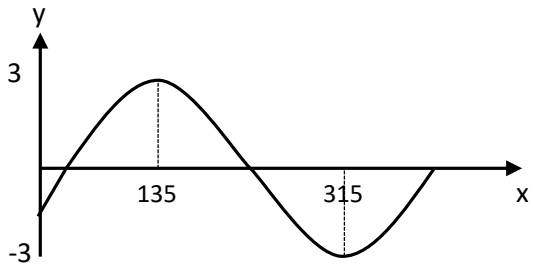
National 5 Final Exam Practice	
Trigonometric Skills	Working with Graphs
Average Score	2 marks

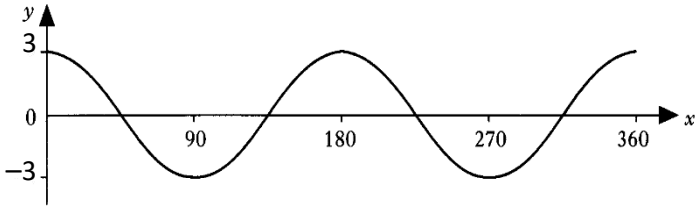
1. The graph below has equation y = *a*Sin*b*x°. Find the values of *a* and *b*.



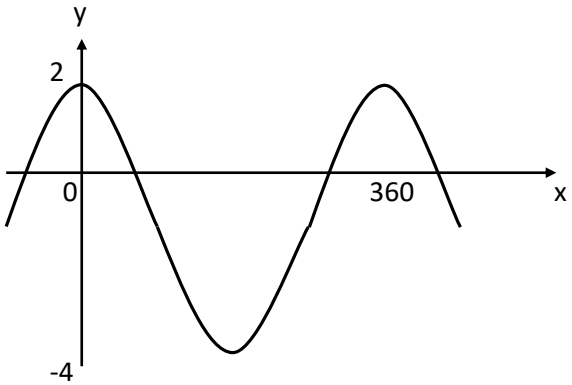
2. The graph shown has equation y = *k*Sin(x-*a*)°. State the values of *k* and *a*.



3. The graph of y = *a*Cos*b*x is shown below, State the values of a and b



4. The graph of y = *p*Cosx + *q* is shown. State the values of *p* and *q*.



5. Sketch the graph of y = 3Cos(x – 30)° for 0° ≤ x ≤ 360°. Show clearly where the graph cuts both axes.

6. Sketch the graph of y = Sin(x+ a)° where a = 40 for 0° ≤ x ≤ 360°. Show clearly where the graph cuts both axes.