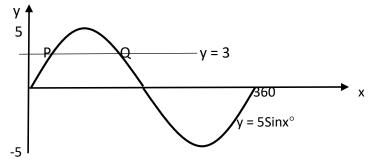
National 5 Final Exam Practice			
Trigonometric Skills		Working with Trigonometric Relationships	
	Average Score	2/3 Marks	

- 1. Solve $5Sinx^{\circ} + 3 = 0$ for $0^{\circ} \le x \le 360^{\circ}$
- 2. Solve $2\text{Tanx}^\circ 3 = 0$ for $0^\circ \le x \le 360^\circ$
- 3. Which of these values are negative? Tan 300° Cos 120° Sin 170° Tan 40° Cos 250°
- 4. Solve $3\cos^{\circ} 1 = 0$ for $0^{\circ} \le x \le 360^{\circ}$
- 5. Find the smallest value for which $4\text{Cosx}^\circ + 2 = 0$
- 6. Solve $3 \cos x^\circ = \cos x^\circ$ for $0^\circ \le x \le 360^\circ$
- 7. The line y = 3 cuts the graph $y = 5Sinx^{\circ}$ at the points P and Q. Find the coordinates of P and Q.



- 8. Which of these values are positive? Tan120° Cos 240° Sin320° Cos 210° Tan265°
- 9. The time of a high tide in a harbour is given by the equation h = 12Sin30t° where h is the height in metres and t is the hours after midday.
 What will be the height at 5pm?
- 10. Given that Tan $60^\circ = \sqrt{3}$, write down that value of 2Tan 300° .
- The graph of y = 4Cosx° 3 is shown below. Find the coordinates of the points where it cuts both axes.
 y ▲

