Higher Maths question bank :: Paper 1

06. Evaluate trig derivatives.

1. Function h is defined by $h(x) = 3\sin(2x)$. Evaluate $h'\left(\frac{\pi}{6}\right)$.

2. Function h is defined by $h(t) = 5\cos(3t + \pi)$. Evaluate $h'\left(-\frac{\pi}{6}\right)$.

3. Function r is defined by $r(x) = 6\sin\left(\frac{x}{2}\right)$. Evaluate $r'\left(\frac{\pi}{3}\right)$.

4. Function y is defined by $y(x) = -3\cos(2x)$. Evaluate $y'\left(\frac{\pi}{8}\right)$.

5. Function q is defined by $q(x) = -\sin\left(\frac{\pi}{2} - x\right)$. Evaluate $q'\left(\frac{\pi}{6}\right)$.