

WORKING AT B/C

(1) Without a calculator, find the exact vale of each: (a) $tan(-30^{\circ})$ (b) $sin(225^{o})$ (c) $\cos(-60^{\circ})$ (d) $\sin(-60^{\circ})$ (e) cos (135^o) (f) $\tan(210^{\circ})$ (g) $sin(-90^{\circ})$ (h) cos (210°)

(2) $\sin(b) = \cos(b)$ where b is a positive obtuse angle. Write down the value of *b*.

(3) Without a calculator, show that $\tan(60) + 3\tan(-30) = 0$

WORKING AT A*/A

(1) In the interval $0 \le x \le 360$, how many times will the sin(2x) = a where *a* is a constant and 0 < a < -1?

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