***MAP4C – Solving Trigonometric Equations***

Solve for , if . There will be multiple solutions in each case.

|  |  |
| --- | --- |
| 1. $2sinθ-1=0$ | 2. $-2cosθ=-3$ |
| 3. $\frac{sinθ}{4}=-0.1$ | 4. $-4cosθ-1=0$ |
| 5. $\frac{tanθ}{4}+3=2$ | 6. $\left(sinθ\right)^{2}=0.6$ |

***MAP4C – More Solving Trigonometric Equations***

Solve for , if . There will be multiple solutions in each case.

|  |  |
| --- | --- |
| 1.  | 2.  |
| 3.  | 4.  |
| 5.  | 6.  |

ANSWERS

1. 60 or 240 2. 30 or 150 3. 148 or 211 4. 135 or 315

5. 90 or 150 6. 315 or 225