**6A Reciprocal Trigonometric Functions**

1. Will cosec(200) be positive or negative?
2. Find the value of:
3. sec(280)
4. cot(115)
5. Work out the exact value of:
6. sec(210)

**6B Reciprocal Trigonometric Graphs**









1. Sketch, in the interval 0 ≤ θ ≤ 360, the graph of:







1. Sketch the graph of:
2.





1. On the same axes, sketch the line
2. State the number of solutions to the equation:

**6C Part 1 Simplifying Expressions**

1. simplify

**6C Part 2 Solving Equations**

1. Solve the equation

**6D Part 1 Exact Trig Values**

1. Given that

 and A is obtuse, find the exact value of

1. secA
2. cosecA
3. Given that

 and B is reflex, find the exact value of

1. secB
2. cosecB

**6D Part 2 Reciprocal Trigonometric Identities**

1. Prove that

1. Prove that

1. Solve the equation

in the interval

**6E Inverse Trigonometric Functions**

  

  

 

1. Work out, in radians, the value of:
2. arcsin(0.5)
3. arctan()
4. arcsin()
5. cos[arcsin(-1)]