**MAWA FORMULA SHEET FOR MATHEMATICS METHODS (Unit 1)**

**Functions and graphs**

**Binomial distribution**

**Completing the square**  =

**Discriminant =**

**Quadratic formula**

**Trigonometric functions**

**Angle sum and difference identites**

**Area of a sector**

**Area of a segment**

**Length of an arc**

**Length of a chord**

**Sine rule**

**Cosine rule**

**Counting and probability**

**Probability** *P*(*A*) = 1- *P*(*A*)

*P*(*A* *B*) = *P*(*A*) + *P*(*B*) − *P*(*AB*)

*P*(*A* *B*) = *P*(*A*) *P*(*B* | *A*) = *P*(*B*) *P*(*A* | *B*)

**Conditional probability**