Unit 1: The set of real numbers

|  |
| --- |
| **Vocabulary/Vocabulario** |
| **English** | **Español** |
| Integer | Número entero |
| Rational number | Número racional |
| Prime number | Número primo |
| Factor/divisor | Divisor |
| Prime factor decomposition | Descomposición en factores simples |
| LCM (least common multiple) | mcm (mínimo común múltiplo) |
| HCF (highest common factor) | MCD (máximo común divisor) |
| Power | Potencia |
| Rationalize | Racionalizar |
| Index | Índice |
| Radicand | Radicando |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Unit 2:

Polynomials & algebraic fractions

|  |
| --- |
| **Vocabulary/Vocabulario** |
| **English** | **Español** |
| Like term | Monomio semejante |
| Unline term | Monomio no semejante |
| Numerical coefficient | Coeficiente |
| Literal coefficient | Parte literal |
| Independent term | Término independiente |
| Monomial | Monomio |
| Polynomial | Polinomio |
| Dividend | Dividendo |
| Divisor | Divisor |
| Remainder | Resto |
| Even división | División exacta |
| To factor | Factorizar |
| Root | Raíz/cero |
| Quadratic equation | Ecuación de segundo grado |
| Extract the common factor | Extraer factor com |
| Numerator | Numerador |
| Denominator | Denominador |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Unit 3: Equations and Inequalities

|  |
| --- |
| **Vocabulary/Vocabulario** |
| **English** | **Español** |
| Equation | Ecuación |
| Inequality | Inecuación |
| Unknown | Incógnita |
| Linear equation | Ecuación Lineal |
| Quadratic equation | Ecuación de segundo grado |
| Discriminant | Discriminante |
| Imaginary/Complex Numbers | Números Imaginarios/Complejos |
| Biquadratic equation | Ecuación bicuadrada |
| Rational equation | Ecuación racional |
| System of Linear Equations | Sistema de Ecuaciones Lineales |
| Consistent System | Sistema Compatible |
| Inconsistent System | Sistema Incompatible |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Unit 4: Functions

|  |
| --- |
| **Vocabulary/Vocabulario** |
| **English** | **Español** |
| Domain | Dominio |
| Range | Rango |
| Function | Función |
| T-chart | Tabla de valores |
| Scale | Escala |
| Continuous/discontinuous function | Función continua/ discontinua |
| Increasing function | Función creciente |
| Decreasing function | Función decreciente |
| Local máximum of a function | Máximo local de una función |
| Local mínimum of a function | Mínimo local de una función |
| Extreme of a function | Extremo de una función |
| Periodic function | Función periódica |
| Period | Periodo |
| Amplitude | Amplitud |
| Asymptote | Asíntota |
| Horizontal asymptote | Asíntota horizontal |
| Average rate of change | Tasa de variación media |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Unit 5: Elemental functions

|  |
| --- |
| **Vocabulary/Vocabulario** |
| **English** | **Español** |
| Linear function | Función lineal |
| Slope | Pendiente |
| Intercept | Ordenada en el Origen |
| Directly Proportional Function | Función de Proporcionalidad Directa |
| Piecewise linear function | Función lineal a trozos |
| Inversely Proportional Function | Función de Proporcionalidad Inversa |
| Quadratic Function | Función cuadrática |
| Parabola | Parábola |
| Vertex | Vértice |
| Axis of Symmetry | Eje de Simetría |
| Radical function | Función radical |
| Exponential Function | Función Exponencial |
| Logarithm | Logaritmo |
| Logarithmic Function | Función Logarítmica |
| Commong logarithm | Logaritmo decimal |
| Natural logaritm | Logaritmo Neperiano |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Unit 6: Similarity

|  |
| --- |
| **Vocabulary/Vocabulario** |
| **English** | **Español** |
| Similar figures | Figuras semejantes |
| Side | Lado |
| Angle | Ángulo |
| Ratio | Proporción, razón |
| Congruent | Congruente |
| Right-angled triangle | Triángulo Rectángulo |
| Isosceles | Isósceles |
| Scalene | Escaleno |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Unit 7: Trigonometry

|  |
| --- |
| **Vocabulary/Vocabulario** |
| **English** | **Español** |
| Trigonometry | Trigonometría |
| Hypotenuse | Hipotenusa |
| Opposite side | Cateto opuesto |
| Adjacent side | Cateto contiguo |
| Right angle | Ángulo recto |
| Right triangle | Triángulo rectángulo |
| Unit Circle | Circunferencia goniométrica |
| Normal protactor | Transportador de ángulos |
| Quadrant | Cuadrante |
| Equilateral Triangle | Triángulo Equilátero |
| Acute angle | Ángulo Agudo |
| Acute triangle | Triángulo acutángulo |
| Obtuse triangle | Triángulo obtusángulo |
| Law of Sines | Law of Cosines |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Unit 8: Geometry

|  |
| --- |
| **Vocabulary/Vocabulario** |
| **English** | **Español** |
| Length | Longitud |
| Gradient | Gradiente, pendiente |
| Midpoint | Punto Medio |
| Distance | Distancia |
| x-axis | Eje x |
| y-axis | Eje y |
| Straight line | Línea recta |
| Coordinates | Coordenadas |
| Parallel | Paralelo |
| Perpendicular | Perpendicular |
| Concurrent lines | Rectas incidentes |
| Collinear | Colineal |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |