

Mathematical Terms

| Chn | Eng |
|---------------|-----------------------------------|
| + | add / plus |
| — | minus / subtract |
| × | times / multiply |
| ÷ | divide |
| 平方 | square |
| 平方根 | square root |
| a^n | a to the power of n |
| $\sqrt[n]{a}$ | n_{th} root of a |
| 根号 | radical |
| 立方 | cube |
| 立方根 | cubic root |
| 分数 | fraction |
| 分子 | numerator |
| $\frac{a}{b}$ | a over b / a divided by b |
| 分母 | denominator |
| 百分比 | percentage |
| 括号 | bracket |
| = | equals to |
| ≡ | identical to |
| ≈ | approximately equal to |
| ≠ | not equal to |
| ≥ | greater than or equal to |
| > | greater than |
| ≤ | less than or equal to |
| < | less than |
| ⊥ | perpendicular |
| 垂直平分 | perpendicular bisect |
| | parallel |
| 相交 | intersect |
| 相切 | tangent |

| | |
|---------|---|
| 点 | point |
| 直线 | line |
| 线段 | segment |
| 曲线 | curve |
| 顶点 | vertex |
| 三角形 | triangle |
| 等腰三角形 | isosceles |
| 等边三角形 | regular triangle / equilateral triangle |
| 四边形 | quadrilateral |
| 菱形 | diamond / rhombus |
| 长方形 | rectangle |
| 正方形 | square |
| 梯形 | trapezium |
| 平行四边形 | parallelogram |
| 五、六、八边形 | pentagon, hexagon, octagon |
| 多边形 | polygon |
| 抛物线 | parabola |
| 双曲线 | hyperbola |
| 圆 | circle |
| 圆心 | center of a circle |
| 直径 | diameter |
| 半径 | radius / semidiameter |
| 弧 | arc |
| 椭圆 | oval / ellipse |
| 锐角 | acute angle |
| 钝角 | obtuse angle |
| 直角 | right angle |
| 正弦 | sine (<i>sin</i>) |
| 余弦 | cosine (<i>cos</i>) |
| 正切 | tangent (<i>tan</i>) |
| 余切 | cotangent (<i>cot</i>) |
| 正割 | secant (<i>sec</i>) |
| 余割 | cosecant (<i>csc</i>) |
| 长度/大小 | length / magnitude |

| | |
|--------------|--|
| 面积 | area |
| 周长 | perimeter |
| 圆周长 | circumference |
| 底 | base |
| 高 | height |
| 体积 | volume |
| 表面积 | area of surface |
| (2021.09.02) | |
| 因式 | factor |
| 因式分解 | factorization |
| 化简 | simplification |
| 有意义-无意义 | defined - undefined |
| 科学计数法 | scientific notation / standard notation |
| 底数 | base |
| 指数 | power / exponent / index |
| 不尽根式 | surd |
| 根式 | radical |
| 有理化 | rationalize |
| 定义域 | domain |
| 值域 | range |
| 自然定义域 | natural domain |
| (2021.09.03) | |
| 反证法 | contradictory |
| 互质 | share no common factors |
| 十字相乘 | cross method |
| 舍去/不存在 | rejected / DNE (does not exist) / absolute |
| (2021.09.06) | |