



# Key Vocabulary Index

Mathematical terms are best understood when you see them used and defined *in context*.

This index lists where you will find key vocabulary. A full glossary is available in your Record and Practice Journal and at *BigIdeasMath.com*.

- |                                        |                                   |                                    |
|----------------------------------------|-----------------------------------|------------------------------------|
| absolute value, 4                      | hemisphere, 689                   | reflection, 480                    |
| additive inverse, 10                   | hypotenuse, 640                   | regular polygon, 545               |
| adjacent angles, 272                   | image, 474                        | regular pyramid, 364               |
| angle of rotation, 486                 | independent events, 430           | relative frequency, 412            |
| base, 712                              | indirect measurement, 553         | repeating decimal, 46              |
| biased sample, 442                     | inequality, 126                   | rise, 574                          |
| center, 318                            | integer, 4                        | rotation, 486                      |
| center of dilation, 508                | interest, 254                     | run, 574                           |
| center of rotation, 486                | interior angles, 529              | sample, 440                        |
| circle, 318                            | interior angles of a polygon, 536 | sample space, 422                  |
| circumference, 319                     | irrational number, 648            | scale, 300                         |
| complementary angles, 278              | kite, 294                         | scale drawing, 300                 |
| complex fraction, 165                  | lateral surface area, 358         | scale factor, 301, 508             |
| composite figure, 326                  | legs, 640                         | scale model, 300                   |
| compound event, 424                    | like terms, 82                    | scientific notation, 738           |
| concave polygon, 543                   | line of reflection, 480           | semicircle, 320                    |
| congruent angles, 272                  | linear equation, 568              | similar figures, 496               |
| congruent figures, 468                 | linear expression, 88             | similar solids, 694                |
| congruent sides, 284                   | literal equation, 774             | simple interest, 254               |
| constant of proportionality, 200       | markup, 248                       | simplest form, 82                  |
| convex polygon, 543                    | opposites, 10                     | simulation, 436                    |
| corresponding angles, 468              | outcomes, 402                     | slant height, 364                  |
| corresponding sides, 468               | percent of change, 242            | slope, 194, 574                    |
| cross products, 173                    | percent of decrease, 242          | slope-intercept form, 592          |
| cross section, 388                     | percent error, 243                | solution of an inequality, 126     |
| cube root, 634                         | percent of increase, 242          | solution of a linear equation, 568 |
| dependent events, 431                  | perfect cube, 634                 | solution set, 126                  |
| diameter, 318                          | perfect square, 628               | sphere, 686                        |
| dilation, 508                          | pi, 319                           | square root, 628                   |
| direct variation, 200                  | point-slope form, 670             | standard form, 598                 |
| discount, 248                          | population, 440                   | supplementary angles, 278          |
| distance formula, 658                  | power, 712                        | terminating decimal, 46            |
| equivalent equations, 98               | principal, 254                    | theorem, 638                       |
| event, 402                             | probability, 408                  | theoretical probability, 415       |
| experiment, 402                        | proportion, 172                   | transformation, 474                |
| experimental probability, 414          | proportional, 172                 | translation, 474                   |
| exponent, 712                          | Pythagorean Theorem, 640          | transversal, 528                   |
| exterior angles, 529                   | radical sign, 628                 | unbiased sample, 442               |
| exterior angles of a polygon, 536      | radicand, 628                     | unit rate, 164                     |
| factoring an expression, 92            | radius, 318                       | vertical angles, 272               |
| favorable outcomes, 402                | rate, 164                         | x-intercept, 592                   |
| Fundamental Counting Principle,<br>422 | ratio, 164                        | y-intercept, 592                   |
| graph of an inequality, 127            | rational number, 46               |                                    |
|                                        | real numbers, 648                 |                                    |