alphabet of lines: technical lines used in multi-view drawings.

architectural drawing: a drawing showing buildings and structures that will be constructed.

assembly drawing: a drawing made to show how to assemble a product.

bill of materials: a list of all the parts needed to make one product. It gives the part name, size, and quantity of material to be used.

compass: a drawing tool used to create circles and arcs.

computer-aided design (CAD): a type of design using computers to create and store technical drawings for products.

design report: a portfolio containing documents related to a design project. This report includes the design brief, sketches, testing results, drawings, and a final recommendation.

detail drawing: generally, an orthographic (two-dimensional) drawing giving the size and shape of an individual part. Manufacturing workers will use this drawing to make the part.

dimensioning: a process using two types of lines in a drawing: extension and dimension lines.

drawing board: a smooth surface on which to draw. It includes one straight edge for the T square to move along.

engineering drawing: a sketch used to illustrate products that will be manufactured.

45° triangle: a triangle that has one 90° corner and two 45° corners.

isometric drawing: a drawing showing the front, top, and sides of an object, just as the eye sees them.

multiview drawing: a drawing that uses several views to describe the object. It is also called an orthographic drawing.

oblique drawing: a sketch used to show objects in which one view is the most important.

perspective drawing: a drawing most like what the eye sees. These drawings use vanishing points and vertical lines to convey the image.

plotter: a printer able to print on large paper.

scale: a specialized type of ruler used to make measurements.

schematic drawing: a drawing used to show the relation of parts to one another and how the product flows.

specification sheet: a list describing items in detail that cannot be shown in drawings.

template: a piece of plastic with shapes and symbols cut into it that designers use to trace around the edge.

30°-60° triangle: a triangle that has one 90° corner, one 30° corner, and one 60° corner.
**T square:** a tool made up of two pieces, the head and blade. It is used to draw all horizontal lines in a drawing.

**working drawing:** the most complete drawing produced by a designer and used by engineers and architects to display all the information needed to build the solution. These drawings also show how the products are assembled.