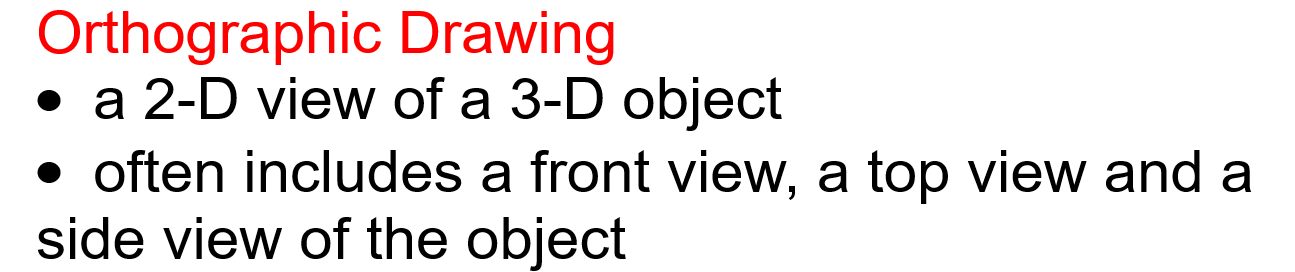
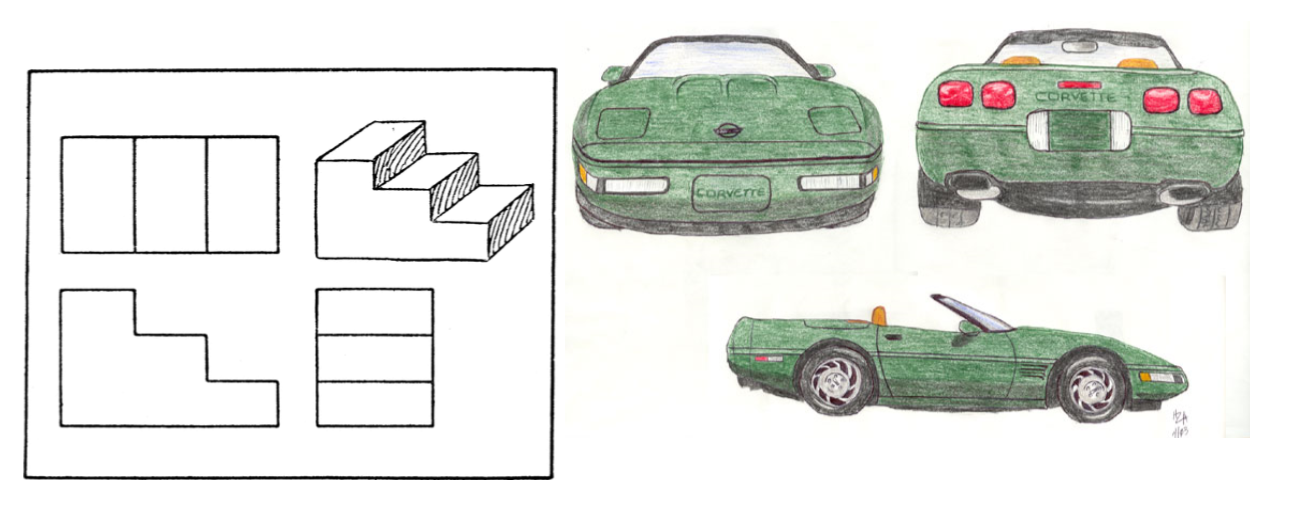
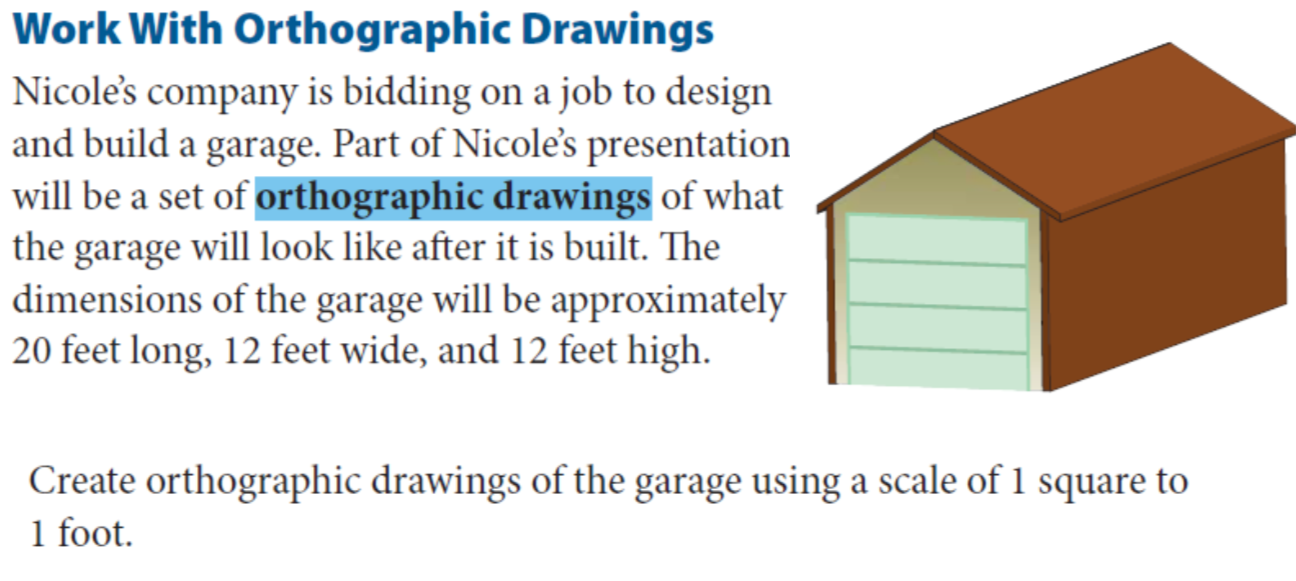
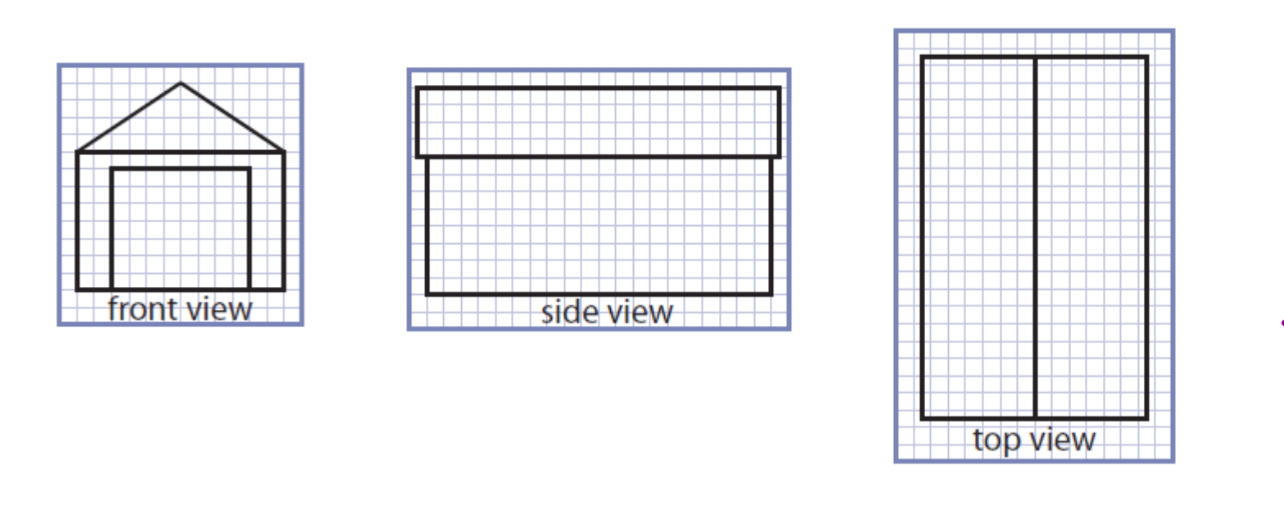
**Representing Views of 3-D Objects**

****

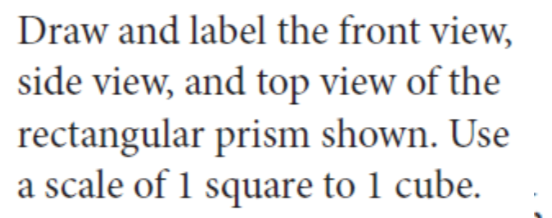
**Example:**

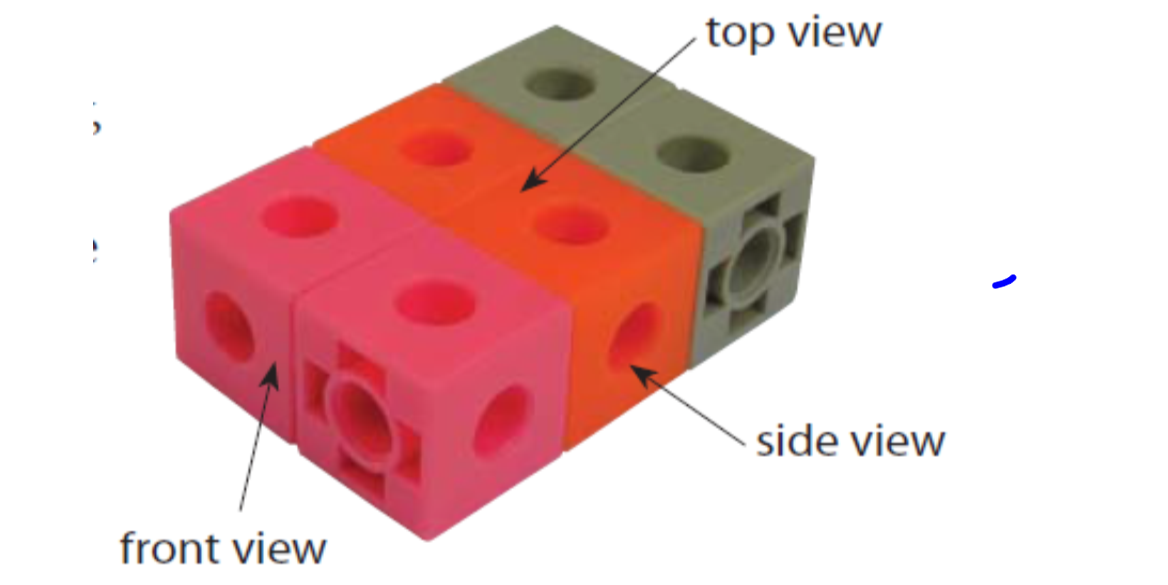
****

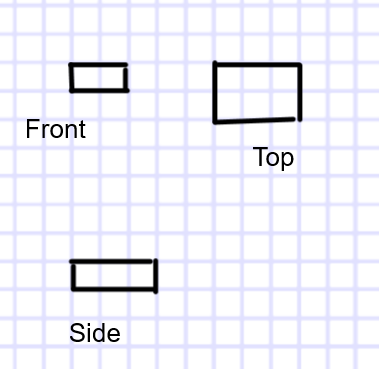
**Answer**

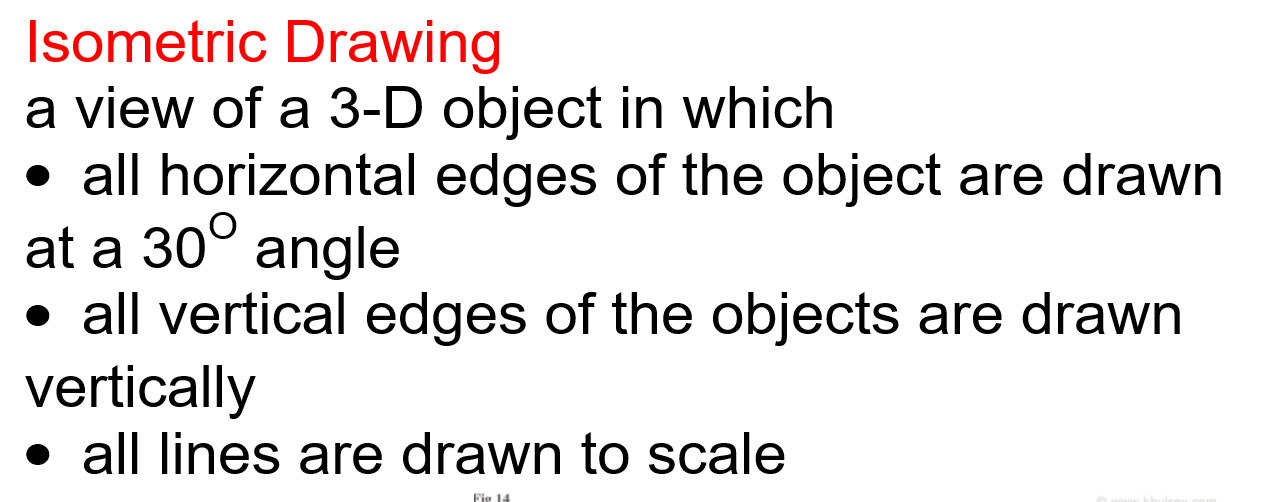
****

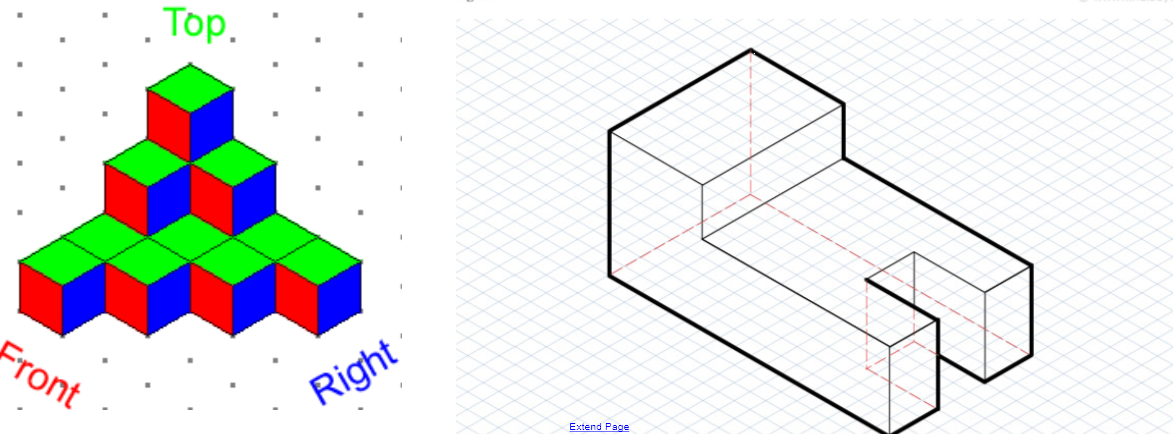
**TRY THIS ONE!**

****

**Answer:**

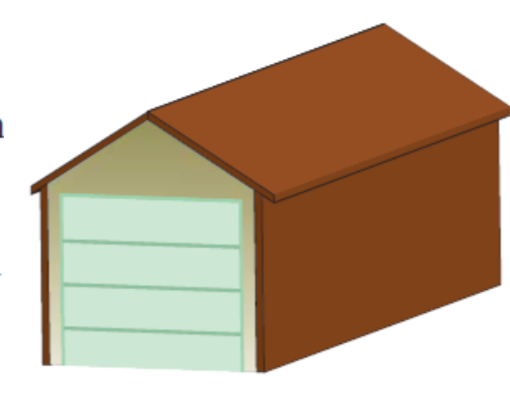
****

****

****

**Example:**

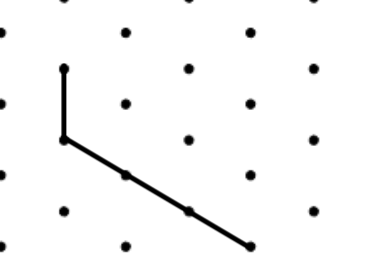
Sometimes people get a better view of what an object looks like if it is drawn in 3-D. To get this effect isometric drawings can be used. The dimensions of the garage are 20 feet long, 12 feet wide and 12 feet high.

****

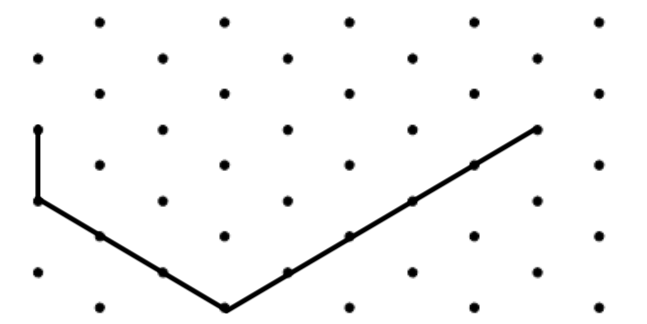
The scale used on the isometric dot paper is the distance between two adjacent dots represents 4 feet.

Step 1: Draw a vertical line between two dots to represent the left side of the garage.

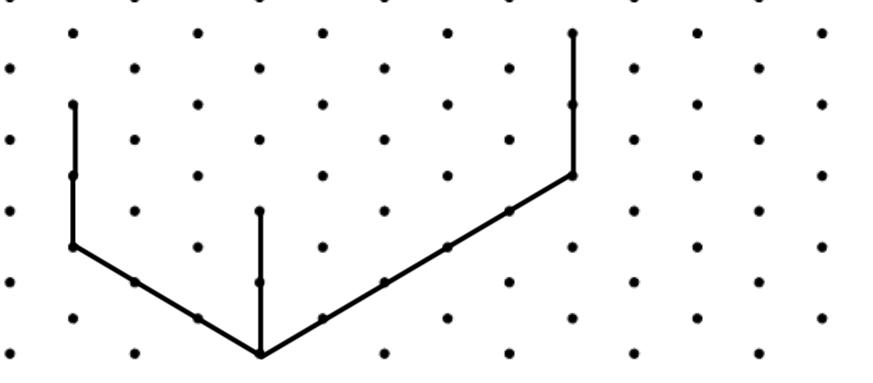
Step 2: Connect the bottom of this line to a dot that is at a 30° angle from it. This distance represents 4 feet along the base of the garage. Extend this line to represent the 12 foot width of the garage.

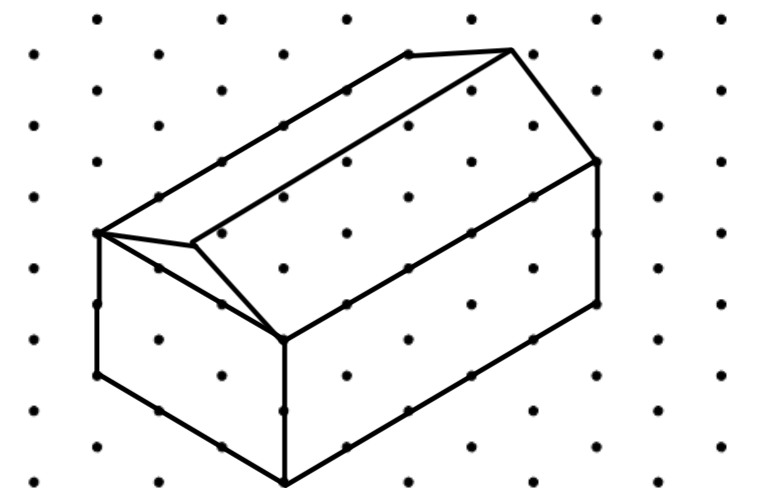


Step 3: From the endpoint of this line, draw a line to represent the 20 foot length of the garage.

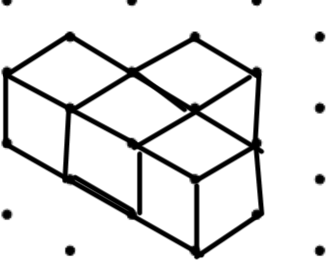
Step 4:

The height of the garage, below the roof is 8 feet. Draw three lines to represent the height of the garage.

Step 5: Keeping in mind the distance between the adjacent dots represent 4 feet, complete the diagram of the garage.

TRY THIS ONE!

Scale the size between two adjacent sides is the length of 1 cube.

Extra Practice Questions p. 76-77 #1 to 3, 7 to 10

p. 81-82 #2,5,6