Name:_____   **Date:_____**
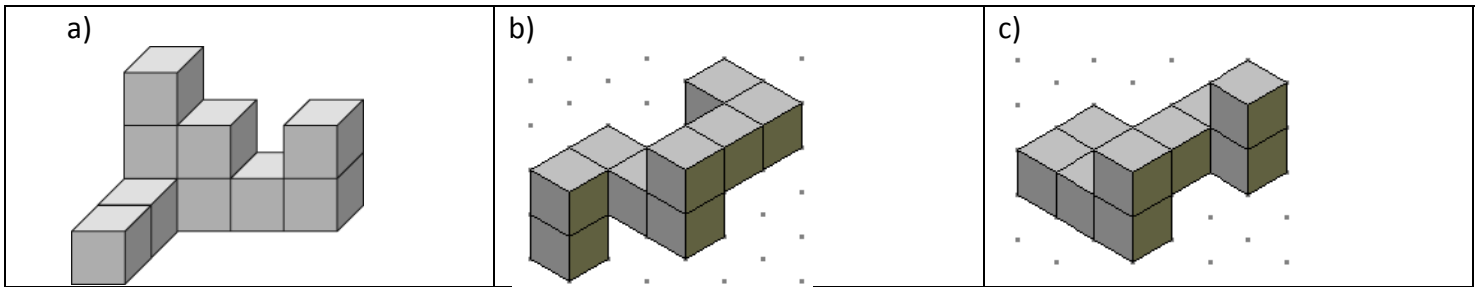
Math 8 HW Section 8.1 – Drawing 3D Shapes

1. Given each diagram, count the number of blocks:
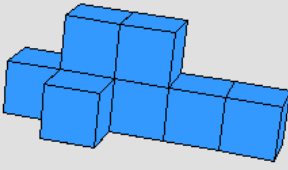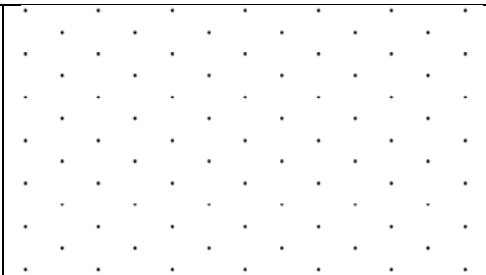
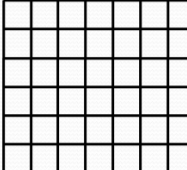| a)	b)	c)
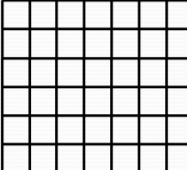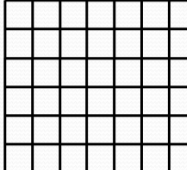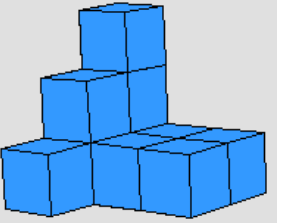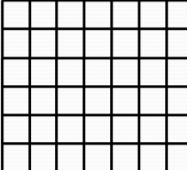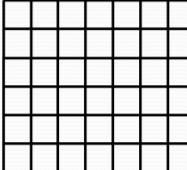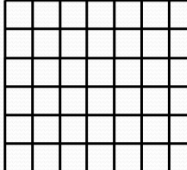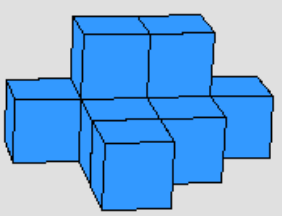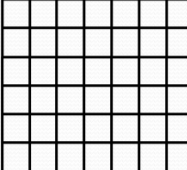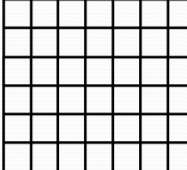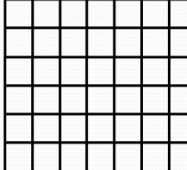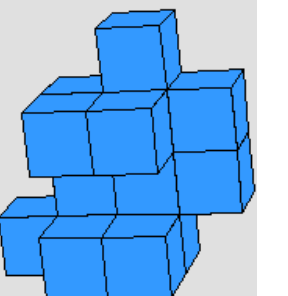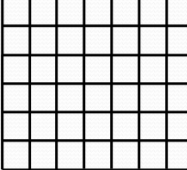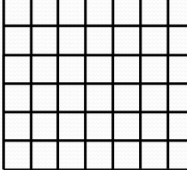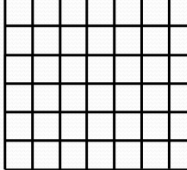
2. Given the images on the left, draw the side views indicated:

	Top View Front View Side View		Top View Front View Side View
	Top View Front View Side View		Top View Front View Side View
	Top View Front View Side View		Top View Front View Side View

3. Given the views on the left, draw the isometric image with the grid provided:

| A.	Front Right Top	B.	Front Right Top	C.	Front Right Top

4. Given the following images, draw the isometric view and all 3 side views:

		Top View Front View Side View
		Top View Front View Side View
		Top View Front View Side View
		Top View Front View Side View

5. A 3 X 3 X 3 cube has been assemble using twenty seven cubes. Then the three 1 x 1 x 1 cubes shaded in the diagram are removed. What is the surface area of the remaining solid?
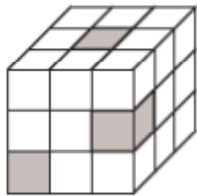
6. The figure below was constructed by cementing together sixteen 1cm by 1 cm by 1cm cubes. What is the surface area of the figure, in cm^2?