



On a piece of graph paper, graph each of the following problems. The first 3 problems may be graphed on the same coordinate plane. After you graph the points, connect them and find the distance between them. Show the work here.

1.  $(2,5)$  ,  $(6,8)$

2.  $(-3,1)$  ,  $(0,11)$

3.  $(-9,5)$  ,  $(-8,4)$

Graph each set of points and then find the area and perimeter.

4. The vertices of a triangle are  $(-1,-1)$ ,  $(3,-1)$ , and  $(3,1)$ .

5. The vertices of a rectangle are  $(-5,-2)$ ,  $(-10,-2)$ ,  $(-10,-9)$ , and  $(-5,-9)$ .

6. The vertices of a parallelogram are  $(3,-3)$ ,  $(11,-3)$ ,  $(9,-8)$ , and  $(1,-8)$ .

Scrambled answers: 1.4, 40, 5, 10.5, 10.4, 35