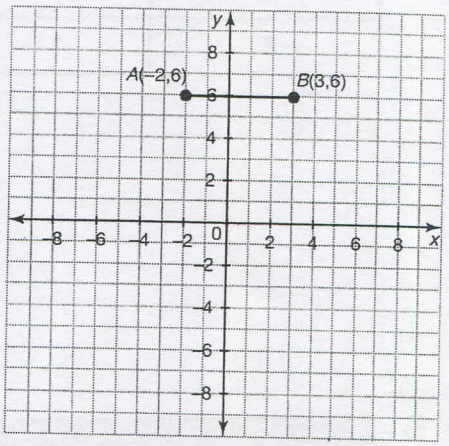
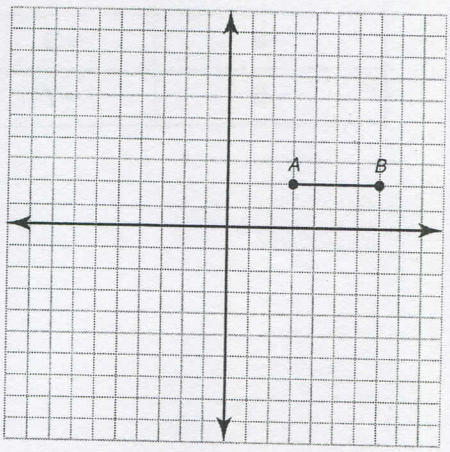
Graphing Geometric Shapes

NAME _____ **DATE** _____

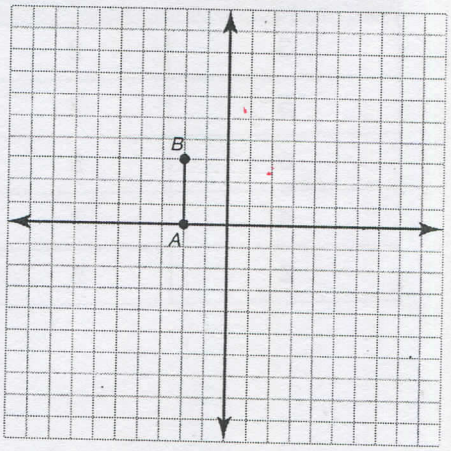
1. Line segment *AB* is plotted on the coordinate plane. Plot and label points *C* and *D* so that parallelogram *ABCD* with a height of 2 units is formed. Draw the parallelogram. Find the area.



2. Line segment *AB* is plotted on the coordinate plane. Plot and label points *C* and *D* so that trapezoid *ABCD* with a height of 4 units is formed. Draw the trapezoid. Find the area.



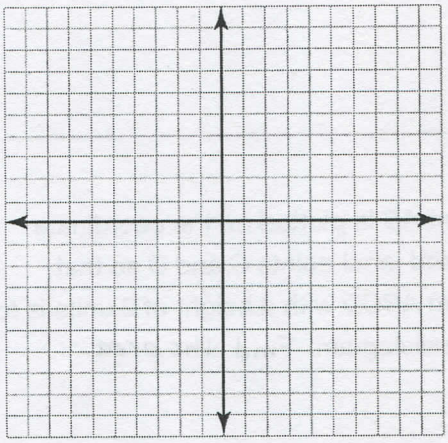
3. Line segment *AB* is plotted on the coordinate plane. Plot and label points *C* and *D* so that trapezoid *ABCD* with a height of 3 units is formed. Draw the trapezoid. Find the area.



Graph the points on each coordinate plane. Connect the points with line segments and identify the resulting figure.

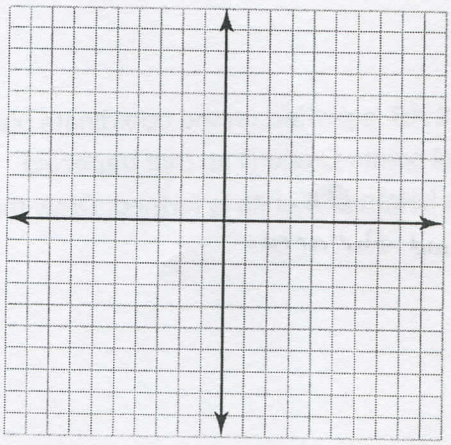
4.

x	y
1	3
1	7
−3	5
−3	1



5.

x	y
−2	−3
−8	−3
−5	−7



6.

x	y
3	2
5	2
6	5
4	7
2	5