Math Packet Grade 6

Week 3: 4/13-4/17

Name: _____ Period: _____

Monday- read p. 401-404 Go Math pages and view Math on the Spot videos from those pages *To access book -go to Class Link, click on myhrw.com	Complete 14-1AB sheet
Tuesday - continued	
Wednesday- read p. 407-410, view Math on the Spot videos	Complete 14-2AB sheet
Thursday - continued	
Friday - Graph for Treasure- Optional	Graphing for Treasure sheet
activity to complete with family member	

Name _____ Date _____ Class _____

LESSON 14-1

Distance in the Coordinate Plane

Practice and Problem Solving: A/B

Name the coordinates of each reflection.

1. Point *A* across the *x*-axis

   New point: (_____, _____)

2. Point *B* across the *y*-axis

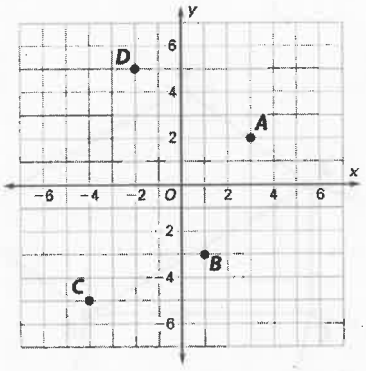
   New point: (_____, _____)

3. Point *C* across the *x*-axis

   New point: (_____, _____)

4. Point *D* across the *y*-axis

   New point: (_____, _____)



Name the coordinates of each reflection of the given point.

5. *M*(–2, –6)

   Across the *y*-axis: (_____, _____)

   Across the *x*-axis: (_____, _____)

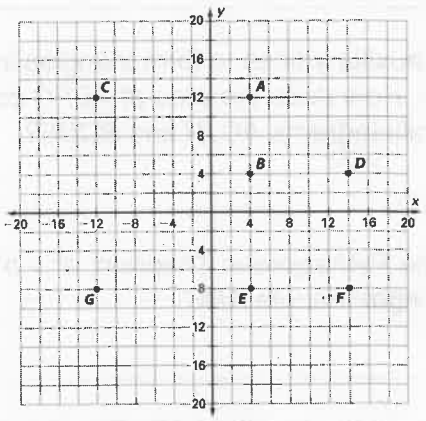
6. *N*(4, 1)

   Across the *x*-axis: (_____, _____)

   Across the *y*-axis: (_____, _____)

Find the distance between the points.

7. *A* and *B*: _____
8. *A* and *C*: _____
9. *B* and *D*: _____
10. *C* and *G*: _____
11. *D* and *F*: _____
12. *E* and *F*: _____
13. *E* and *B*: _____
14. *E* and *A*: _____
15. *E* and *G*: _____
16. *F* and *G*: _____



Solve.

17. A taxi travels 25 kilometers east of an airport. Then, it travels from that point to a point that is 40 kilometers west of the airport. Finally, the taxi returns to the airport. How far did the taxi travel? Show your work.

_____

Name _____ Date _____ Class _____

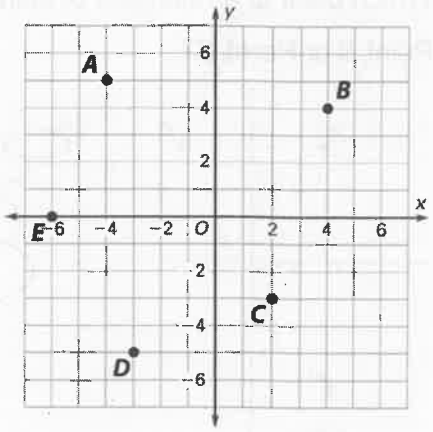
LESSON 14-2

Polygons in the Coordinate Plane

Practice and Problem Solving: A/B

List all of the polygons that can be formed by using some or all of the lettered vertices shown in the coordinate plane.

1. _____



Tell how many polygons can be formed by each set of points or set of points and a line.

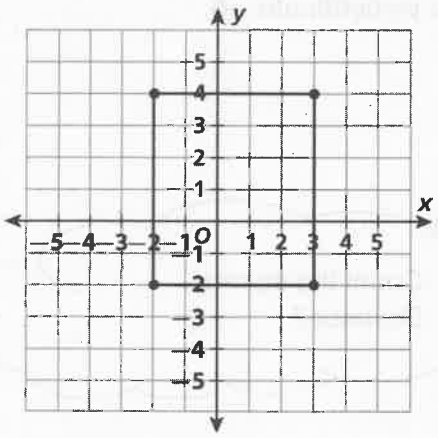
2. (0, 1) and (2, 3) _____

3. (4, 5), (6, 7), and (8, 9) _____

4. (3, 5) and the *x*-axis. _____

Find the perimeter and area of each polygon. Show your work.

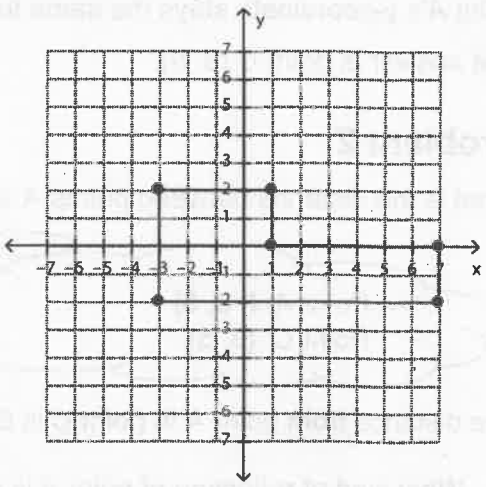
5.



Perimeter: _____

Area: _____

6.



Perimeter: _____

Area: _____

Graphing for Treasure

your grid

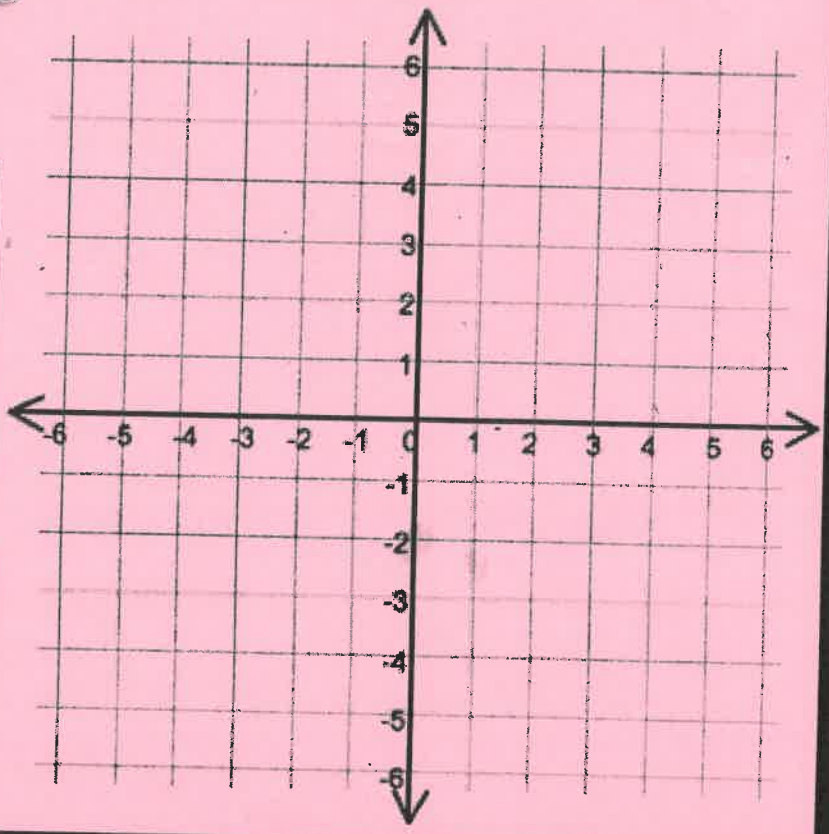
Plot the following on your graph:

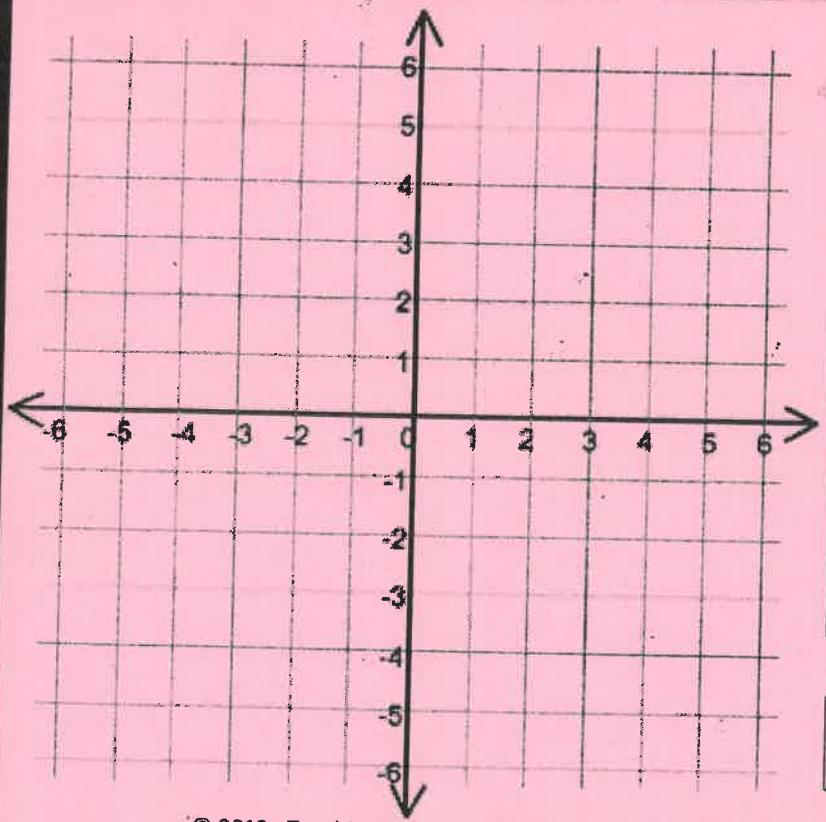
1 treasure chest – 6 points

1 pirate ship – 5 points

1 key – 3 points

X – Hit O – Miss





mark your opponent's

Mission: Be the first to sink your opponent's pirate ship, find the lost key, and locate the treasure chest.

Found?

1 treasure chest _____

1 pirate ship _____

1 key _____

X – Hit O – Miss