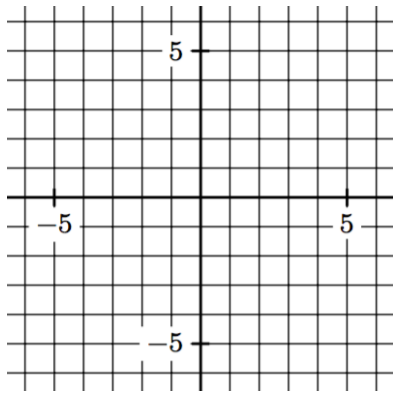


Assignment 8.8 Geometry Constructions & Congruence

For each quadrilateral, name the shape and give the perimeter. Show all work to back up your answers.

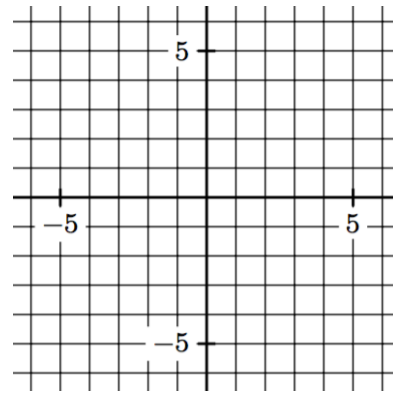
1. A (-2, 2), B (2, 2), C (1, -2), D (-3, -2)



Shape:

Perimeter:

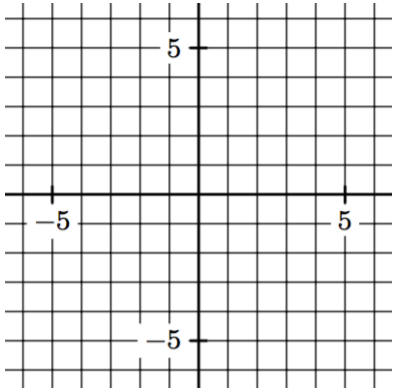
2. E (-3, 2), F (3, 2), G (1, -2), H (-1, -2)



Shape:

Perimeter:

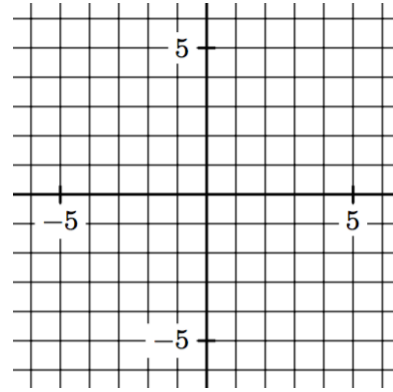
3. M (-3, 4), N (2, 4), O (3, -3), P (-1, -3)



Shape:

Perimeter:

4. W (-2, 0), X (0, 2), Y (2, 0), Z (0, -3)



Shape:

Perimeter:

Refresh Your Memory.

5. Use the equation $f(x) = 3x - 2$ to fill in the table and determine the values.

Slope:

y-intercept:

x	$f(x)$	$(x, f(x))$
-2		
-1		
0		
1		
2		

6. Create a scatterplot from the given table.

Find the average point.

Draw the linear regression.
(Line of best fit)

Car Type	Weight (pounds)	miles per gallon
A	2750	29
B	3125	23
C	2100	33
D	4082	18
E	2690	20
F	3640	21
G	4380	14
H	2241	25
I	2895	31
J	3659	17

Write the equation for the line you drew.

