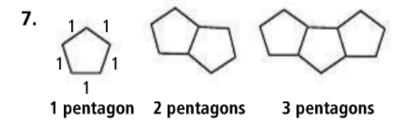
For each diagram, find the relationship between the number of shapes and the perimeter of the figure they form. Represent this relationship using a table, words, an equation, and a graph.



For each table, determine whether the relationship is a linear function. Then represent the relationship using words, an equation, and a graph.

9.		
	Х	У
.0	0	-3
0	1	2
0	2	7
1	3	12
1		

For each table, determine whether the relationship is a linear function. Then represent the relationship using words, an equation, and a graph.

11. Mountain Climbing

Number of Hours Climbing, x	Elevation (ft), y
0	1127
1	1219
2	1311
3	1403
9	

13. Gas in Tank

Miles Traveled, x	Gallons of Gas, y
0	11.2
17	10.2
34	9.2
51	8.2
E 2	

15. Reasoning Graph the set of ordered pairs (-2, -3), (0, -1), (1, 0), (3, 2), and (4, 4). Determine whether the relationship is a linear function. Explain how you know.

before it begins to use gas. Then the car travels 50 mi per gallon of gas used. Represent the relationship between the amount of gas used and the distance traveled using a table, an equation, and a graph. Is total distance traveled a function of the amount of gas used? What are the independent and dependent variables? Explain.