

**SOL Alignment and Levels of Cognitive Demand
Grade 8**

STANDARD 8.14

The student will make connections between any two representations (tables, graphs, words, and rules) of a given relationship.

- Graph in a coordinate plane ordered pairs that represent a relation.
- Describe and represent relations and functions, using tables, graphs, words, and rules.
Given one representation, students will be able to represent the relation in another form.
- Relate and compare different representations for the same relation.

Problem:	Alignment to standard: Yes/no	Level of cognitive demand: Low/medium/not aligned	Answer and EKS Correlation:
1	No		Points on graph
2	Yes	Low	-11, -9, -7, -5, -3 bullet 2
3	No		line graphed; Alg I topic
4	Yes	Medium	A and d ; bullet 3
5	Yes	Low	$Y=x+3$; bullet 2
6	Yes	Low	B; bullet 3
7	Yes	Low	(0,2),(2,1),(4,0),(-2,3),(-4,4) ; bullet 2
8	Yes	Medium	Table various ordered pairs ; bullet 2