

**UNIT 6A REVIEW**

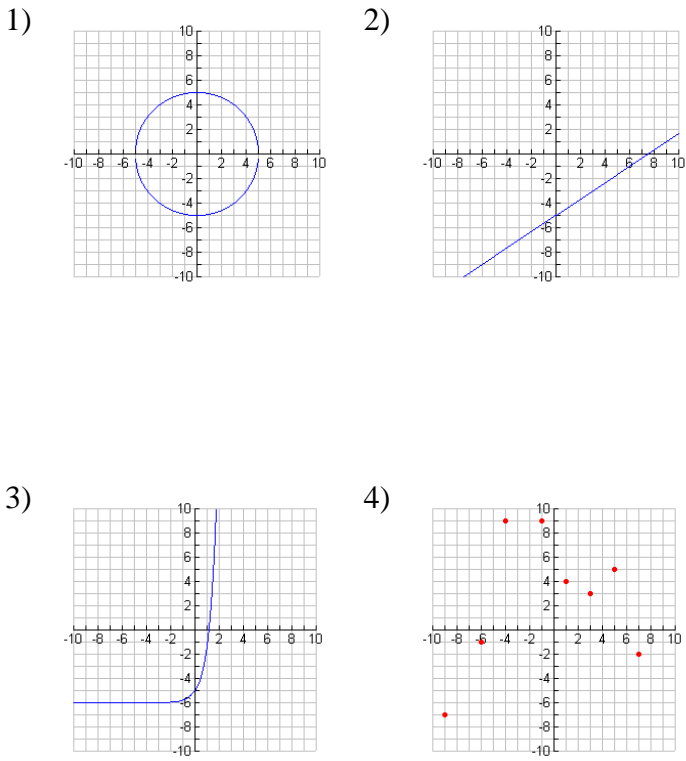
1. Which set of coordinate points is an example of a function?

- 1)  $\{ (-1,2) (2,-4) (-4,6) (3,8) \}$
- 2)  $\{ (-1,2) (2,-4) (-4,6) (-1,8) \}$
- 3)  $\{ (-1,2) (2,-4) (-4,8) (-4,8) \}$
- 4)  $\{ (-1,2) (2,-4) (5,6) (5,-4) \}$

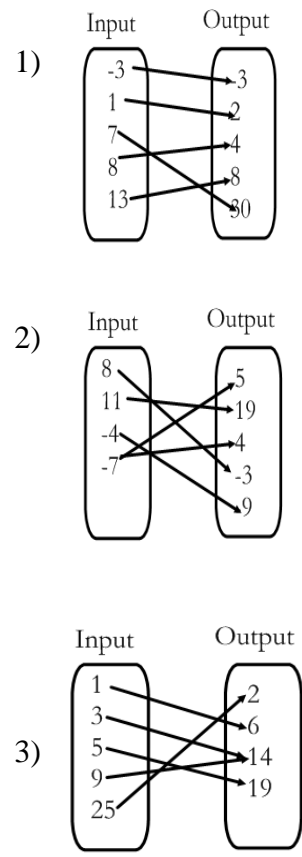
2. The relation defined by the set of ordered pairs  $\{(0,2) , (-2,2) , (1,4) , (4,1) , (0,-1)\}$  is *not* a function. Which of the ordered pairs listed below, if omitted from this relation, will make the resulting set a function?

- 1)  $(-2,-2)$
- 2)  $(1,4)$
- 3)  $(4,1)$
- 4)  $(0,-1)$

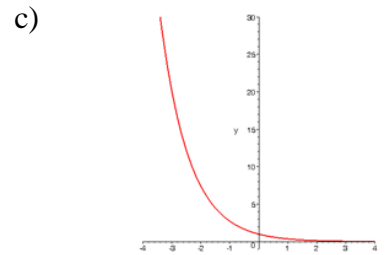
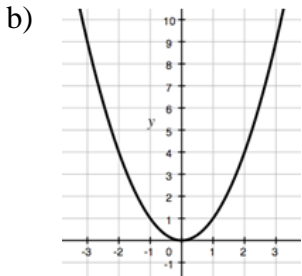
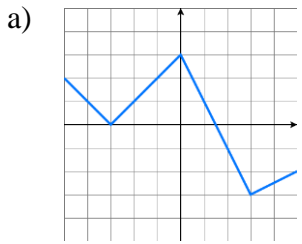
3. Which graph does *not* represent a function?



4. Which diagram represents a relation that is *not* a function?



5. Given the graphs below, identify each type of function.





10. What is the average rate of change for the following intervals:

a. 0-50 seconds

b. 50-70 seconds

c. 70-100 seconds

d. 100-120 seconds

e. Find  $f(40)$

f. Find  $f(70)$

g. Find  $x$  if  $f(x) = 120$

h. Find  $x$  if  $f(x) = 40$

