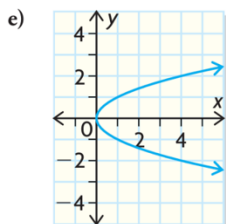
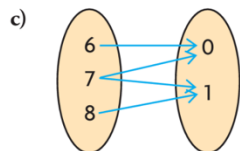
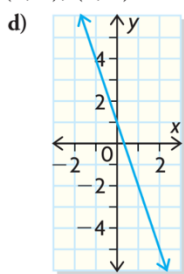
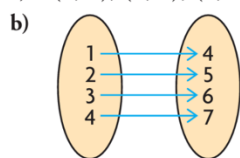


Practice Drill 2

Name: _____

1. Determine whether the following relations are functions. Explain.

a) $(1, 3), (2, 3), (3, 2), (1, 4), (4, 1)$



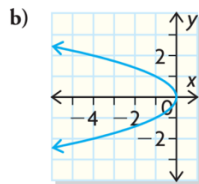
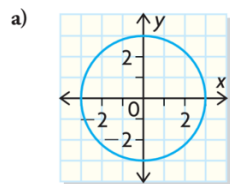
2. Relations f and g are defined by

$$f = \{(1, 2), (2, 3), (3, 4)\} \quad \text{and}$$

$$g = \{(1, 2), (2, 1), (2, 3), (3, 0), (3, 4)\}.$$

- a) State the domain and range of each relation.
b) Is f a function? Is g ? Explain.

3. Given the following, state the domain and range and whether the relation is a function.



4. i. A function h is defined by $h(x) = 2x - 5$.
Evaluate.
a) $h(-2)$ b) $h(2m)$ c) $h(3) + h(n)$
- ii. A function g is given by $g(x) = 2x^2 - 3x + 1$.
Evaluate.
a) $g(-1)$ b) $g(3m)$ c) $g(0)$