

NAME _____

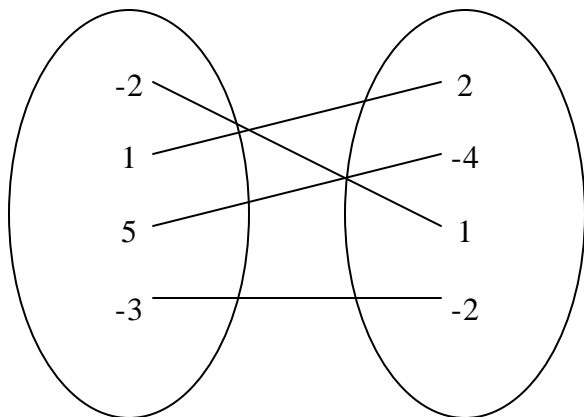
Sections 3.1-3.2

ALGEBRA

Date _____ Period _____

Relations Mixed Review: Practice A

1. Look at the mapping below. Which set of ordered pairs represents the same relation?



- a) $(-2, 2), (1, -4), (5, -4), (-3, -2)$
- b) $(2, -2), (-4, 1), (-4, 5), (-2, -3)$
- c) $(-2, 1), (1, 2), (5, -4), (-3, -2)$
- d) $(1, -2), (2, 1), (-4, 5), (-2, -3)$

2. A relation is represented below.

$G = \{ (4, 5), (2, -1), (10, 0), (5, 1) \}$ What is the inverse of G ?

- i. $\{ (-4, -5), (-2, 1), (-10, 0), (-5, -1) \}$
- ii. $\{ (5, 4), (-1, 2), (0, 10), (1, 5) \}$
- iii. $\{ (4, 2), (10, 5), (5, -1), (0, 1) \}$
- iv. $\{ (2, 4), (5, 10), (-1, 5), (1, 0) \}$

3. $f(x) = 3x + 4$

Which of the following is true?

- i. $f(0) = 3$
- ii. $f(1) = 5$
- iii. $f(2) = 10$
- iv. $f(3) = 12$

4. The function $f(x) = 10x + 5$. What is $f(5)$?

- a. 0
- b. 5
- c. 25
- d. 55

5. Graph the following points on the graph below:

$\{ (3, 1), (2, -4), (5, 2), (2, 0) \}$

