


Name _____

Date _____

Binary Operations - Guided Lesson










Complete the following problems:

1)

	A	B	C	D
A	B	A	D	C
B	A	B	C	D
C	D	C	A	B
D	C	D	B	A

- a. Is this operation commutative?
- b. Name the identity element, or explain why none exists.
- c. For each element having an inverse, name the element and its inverse.

2)


- a. Is this operation commutative?
- b. Name the identity element, or explain why none exists.
- c. For each element having an inverse, name the element and its inverse.



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3)

	k	e	y	s
k	s	k	e	y
e	k	e	y	s
y	e	y	s	k
s	y	s	k	e

- Is this operation commutative?
- Name the identity element, or explain why none exists.
- For each element having an inverse, name the element and its inverse.

