

Group \_\_\_\_\_ Scribe \_\_\_\_\_

Other group members \_\_\_\_\_

## Group Quiz for Section 1.4

We use  $\mathbb{F}_3$  to stand for the set  $\{0, 1, 2\}$  with the following addition and multiplication tables:

+	0	1	2
0	0	1	2
1	1	2	0
2	2	0	1

·	0	1	2
0	0	0	0
1	0	1	2
2	0	2	1

Which element (0, 1, or 2) is each of the following equal to (if any)?

- $-0$
- $-1$
- $-2$
- $0^{-1}$
- $1^{-1}$
- $2^{-1}$