Aluno: Thiago Theiry

2-

*	a	b	c	d
a	a	b	c	d
b	b	d	a	c
c	c	a	d	b
d	d	c	b	a

8-

*	e	a	b	c
e	e	a	b	c
a	a	b	c	e
b	b	c	e	a
c	c	e	a	b

13-a) $\langle 25, + \rangle$ => $\{25, 0, -25, 50, -50\}$

b) $\langle \frac{1}{2}, * \rangle$ => $\{\frac{1}{2}, 1, 2, \frac{1}{4}, 4\}$

c) $\langle \pi, \cdot \rangle$ => $\{\pi, 1, \frac{1}{\pi}, 2\pi, \frac{1}{2\pi}\}$

15- $E = \{(a,b) \in G^2 : a^{-1} * b \in H\}$

$[a] = \{b \in G \mid (a,b) \in R\}$ => $[a] = \{b \in G \mid a^{-1} * b = h \in H\}$

16- $G = \{1, -1, i, -i\}$, $H = \{1, -1\}$

$[1] = 1 \cdot \{1, -1\} = \{1, -1\}$

$[-1] = -1 \cdot \{1, -1\} = \{-1, 1\}$

$[1] = [-1]$

$[i] = i \cdot \{1, -1\} = \{i, -i\}$

$[-i] = -i \cdot \{1, -1\} = \{-i, i\}$

$[i] = [-i]$