

Assignment #3

23K-0800

Q1)

a) 19 is divided by 7?

$$q = 19 \text{ div } 7 = 2$$

$$r = 19 \text{ mod } 7 = 5$$

b)

$$q = -111 \text{ div } 11 = -10$$

$$r = -111 \text{ mod } 11 = -1$$

c.)

$$q = 789 \text{ div } 23 = 34$$

$$r = 789 \text{ mod } 23 = 7$$

d)

$$q = 1001 \text{ div } 13 = 77$$

$$r = 1001 \text{ mod } 13 = 0$$

e)

$$q = 10 \text{ div } 19 = 0$$

$$r = 10 \text{ mod } 19 = 10$$

f)

$$q = 3 \text{ div } 5 = 0$$

$$r = 3 \text{ mod } 5 = 3$$

g)

$$q = -1 \text{ div } 3 = -1$$

$$r = -1 \text{ mod } 3 = 2$$

h)

$$q = 4 \text{ div } 1 = 4$$

$$r = 4 \text{ mod } 1 = 0$$