Name:

Given the following method:

```
public static int mystery(int x, int y) {
    while (x != 0 && y != 0) {
        if (x < y) {
            y = y - x;
        } else {
            x = x - y;
        }
    }
    return x + y;
}
```

Write the value returned by each of the following calls.

mystery(3, 3)

mystery(5, 3)

mystery(2, 6)

mystery(12, 18)

mystery(30, 75)