

## Cp213 Lecture 9

public → can be called outside of class

Static → Removes requirement of object. Method

don't need this if static

public static int gcd(int x, int y) { ... }

call gcd by gcd(int x, int y) not so.gcd(y)

Static → doesn't require object of this class to be called

Math methods are mostly static

↳ cos, sin, tan etc

Final → means you can't change value → constant

↳ Math.PI

Math.E

↳ 3.14159

↳ 2.71828...

## Overloading

- If you create a method with the same name as other method but different parameters and the same return type you overload the method

- This is allowed

- Can call one method of the overload from another