Essential Computing 1
Modulo
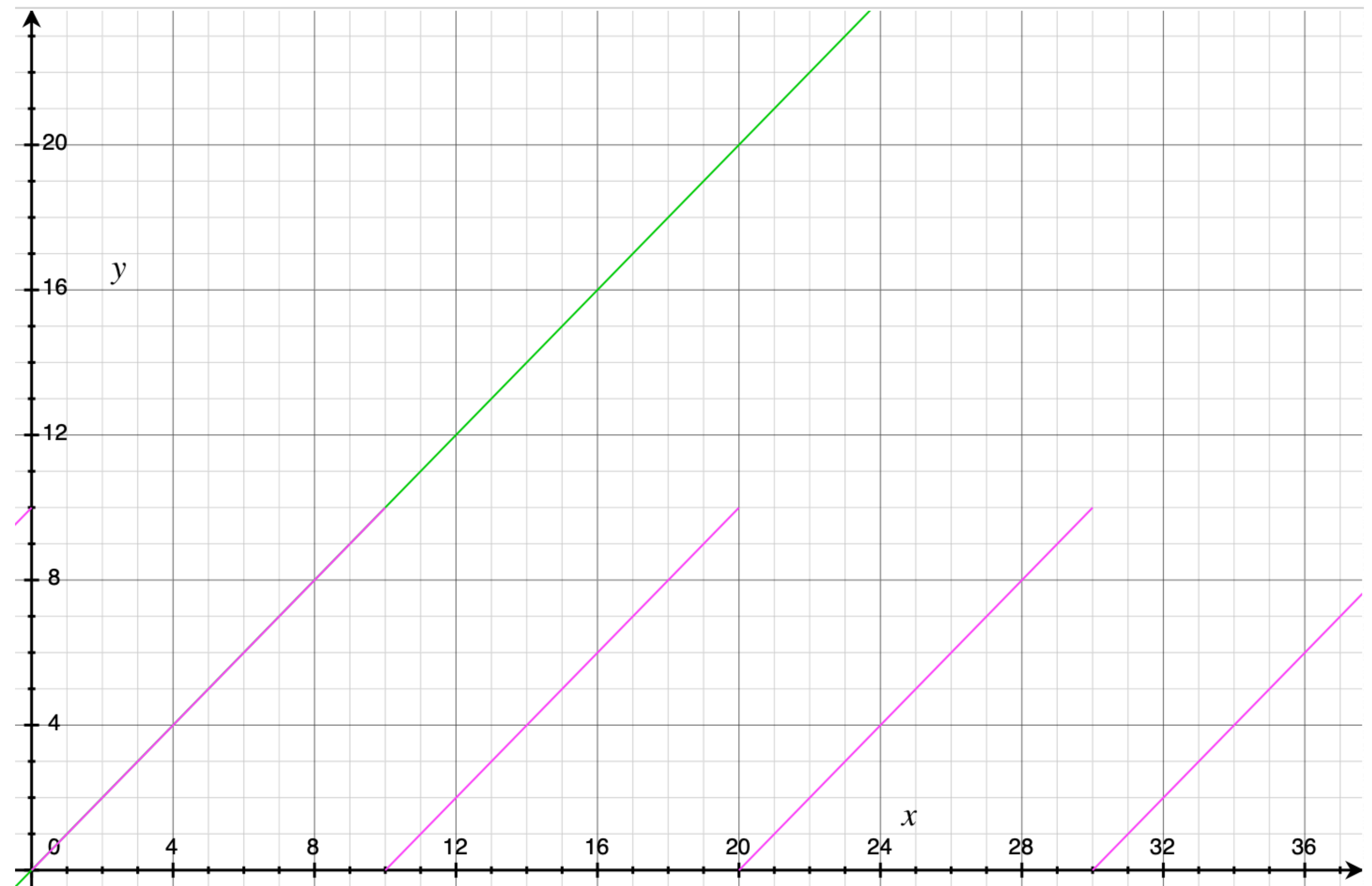
Use cases

Saw function

```
y1 = x
y2 = x % 2.0
```

Use cases

Getting lower digits

```
123456 % 1000 => 456
```

Use cases

Alternating

```
count = 0

count++ % 2 => 0
count++ % 2 => 1
count++ % 2 => 0
count++ % 2 => 1
count++ % 2 => 0
```

Use cases: finding remainders

```java
int totalHours = 918246;
int totalDays = totalHours / 24;
int remainderHours = totalHours % 24;


System.out.printf( "%d days %d hours", totalDays, remainderHours );
```

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38260 days 6 hours