Useful Numbers

The most useful *irrational* numbers.
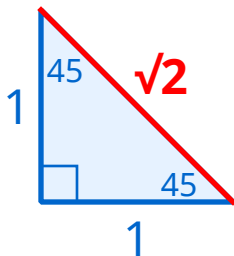
π = **3.14159...**
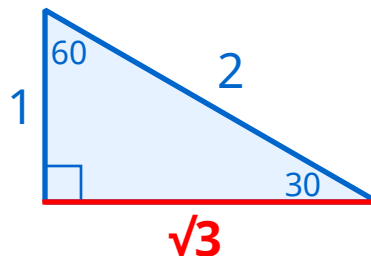
pi

π

1
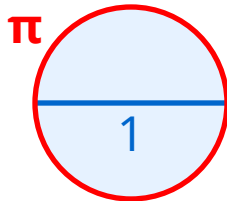
√2 = **1.414...**

square root of 2

45
√2
1
45
1

√3 = **1.732...**

square root of 3

60
2
1
30
√3

ϕ = **1.618...**

phi
golden ratio

ϕ

1

1     $\frac{1}{\phi}$
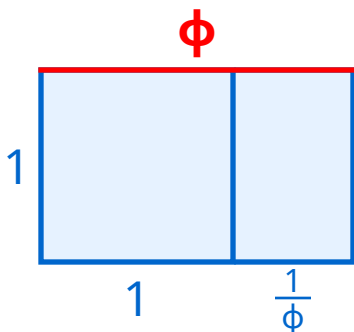
e = **2.718...**

Euler's number
Napier's constant

1

$y = \dfrac{1}{x}$

area = 1

1   2   e
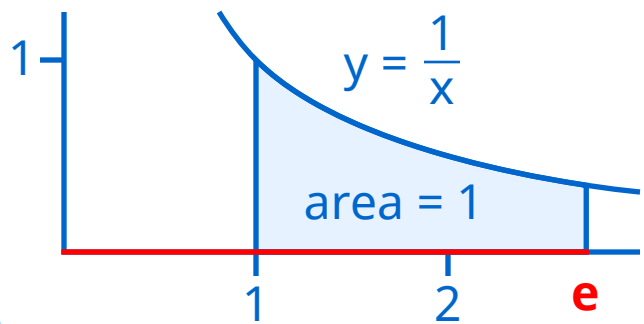
Memorize a few digits of each of these mathematical constants.
You will use π, √2, and √3 in simple geometry, ϕ and e in higher mathematics.