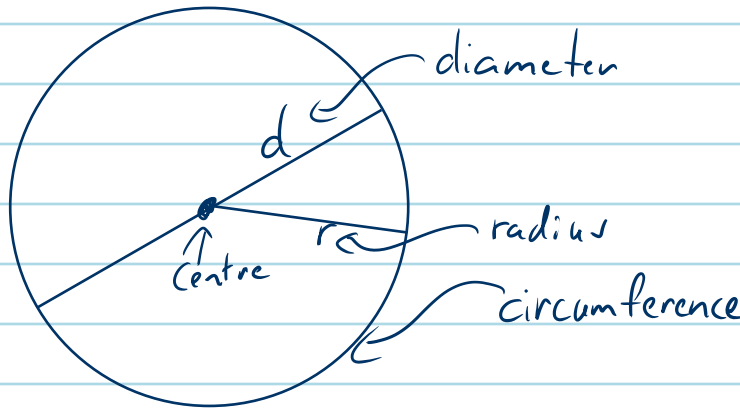


# Unit 2 Day 5

## 2-5 Area + Circumference ( $\pi$ )

Feb. 22nd, 2016

$\pi$ : an irrational # that tells how many times greater the circumference ( $C$ ) of any circle is to its diameter ( $d$ ) ( $\frac{C}{d} = \pi$ )



$d = 2r$

$r = \frac{d}{2}$

$C = \pi d$

or  $C = 2\pi r$

$A = \pi r^2$

← Memorize!

<u>Radius</u>	<u>Circumference</u>	<u>Area</u>
1	$2\pi$	$\pi$
2	$4\pi$	$4\pi$
3	$6\pi$	$9\pi$
5	$10\pi$	$25\pi$
$\frac{7}{2}$	$7\pi$	$(\frac{7}{2})^2 \pi = \frac{49}{4} \pi$
$\frac{7}{2}$	$9\pi$	$\frac{81}{4} \pi = \frac{81\pi}{4}$
$\frac{7}{8}$	$\frac{7\pi}{4}$	$\frac{49\pi}{64}$

Practice 2-5