

1-4 MATLAB as a Calculator

Mathematical operators

- + - add
- - subtract
- * - multiply
- ÷ - divide
- ^ - exponentiate

Built-in MATLAB Functions

$\overset{\text{out to me}}{\underset{\text{in radians}}{\arcsin(x)}}$	$\overset{\text{in radians}}{\cos(x)}$	$\overset{\text{base 10 logarithm}}{\log_{10}(x)}$
$\arccos(x)$	$\sin(x)$	\sqrt{x}
$\arctan(x)$	$\tan(x)$	

» $A = \pi * 0.1^2$

area, result stored in variable A

$\pi = 3.141\dots$

radius

» $V = A * 0.5$

volume result stored in V

length

» $200/7$

ans = 28.5714

special variable for storing result for an expression without equal sign

ans gets overwritten by next expression without equal sign.