

3.4: Complex Numbers

3.4
1/1

Def:  $i^2 = -1$

complex numbers of the form  $z = a + bi$

basic ops w/ complex numbers.

ex 1:  $(3 - \sqrt{-5})(1 + \sqrt{-1})$

ex 2:  $\frac{2 + \sqrt{-8}}{1 + \sqrt{-2}}$

ex 3:  $x^2 - 3x + 3 = 0$

ex 4:  $x^2 + \frac{1}{2}x + 1 = 0$