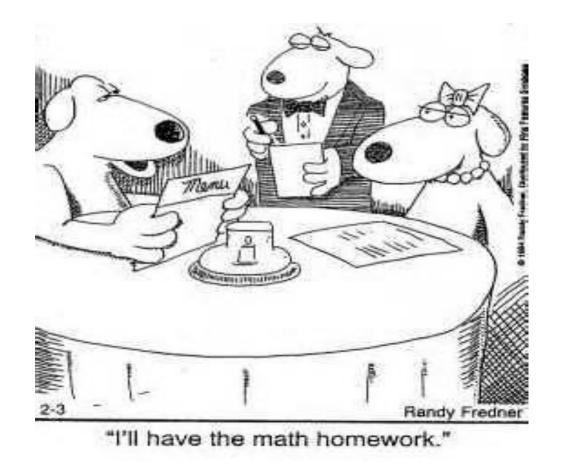
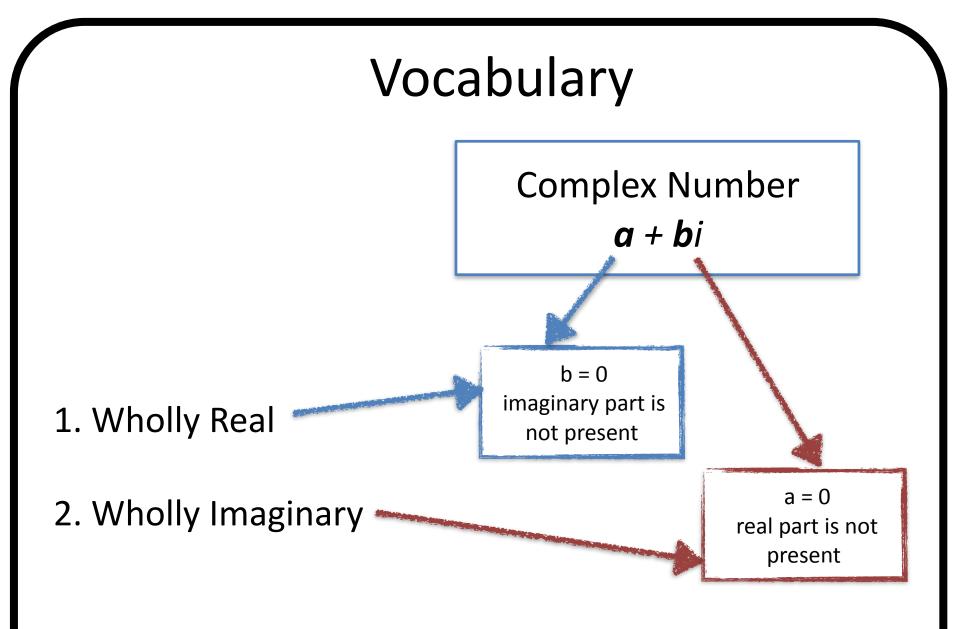
Lesson 1.3.2 and 1.3.3: Adding, Subtracting and Multiplying Imaginary Numbers



By the end of this lesson, I will be able to answer the following questions...

1. How do I find the sum, difference or product of complex numbers?

2. How do I determine if a complex number is wholly real or wholly imaginary?



Prerequisite Skills with Practice

Simplify:

4x - 5 - 3x - 13 - x

(-3x+2)+(x-10)

(-3x+2) - (-x+2)

$$(x+2)(2x-3)$$

Example one

Is (6+5i)+(8-3i)wholly real or wholly Imaginary or does it have a real and an imaginary part?

Example two

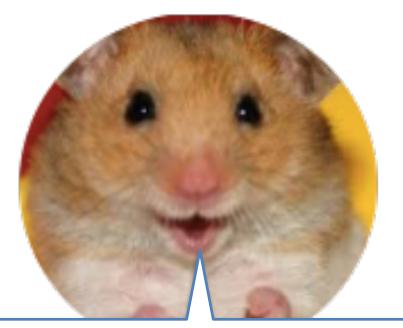
Is (2+5i)-(2-3i)wholly real or wholly imaginary or does it have a real and an imaginary part? **Example Three:** Multiply and Simplify

i · 5*i*

Example Four: Multiply and Simplify (7+2i)(4+3i)

Example Five: Multiply and Simplify (5+i)(5-i)

THE END



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