Name:	Date:	Unit 5 Class Work
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Equivalent Complex Numbers Class Work

Objective: You will be able to determine values that satisfy equivalent complex expressions.

★ Consider the expression:

Think-Write-Pair-Share

How could you determine the values of x and y?

Practice: Determine the values of the variables in each expression.

1.
$$1 \pm 3ri = 5ri - 8t \pm 2i + 4s$$

Real

 $1 = -8 + 45$
 $9 = 45$
 $3r = 5ri + 2i$
 $3r = 5ri + 2$

4.
$$m + (i - 3)^2 = -3(2i - 4)$$

5. $9yi - 7 = 45i + 3x - i^2$

6.
$$4 - i^2 + 25hi = -\frac{1}{2}k - 100i$$

7.
$$(2 + bi)(2 - bi) = -4$$
; challenge ©

Create an acrostic poem in which each letter represents a phrase related to something you have learned about complex numbers.

I

М

Α

G

Ī

Ν

Ε