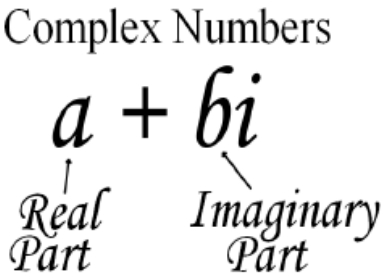
Complex Number Maze

Name _____ Period _____ Date _____

Complete the maze by simplifying each expression. Shade or highlight the squares that contain imaginary numbers and follow the path of complex numbers.

Show the simplified expression in each box.



$(1+i)(1-i)$	$(2+3i)+(-4+5i)$	$(5-6i)(6-2i)$	$2i(3i^2)$	$(3i)(2i)$	Start Here $\sqrt{-4}$
$\sqrt{5-4}$	$-\sqrt{-49}$	$(3+2i)-(4+2i)$	$\left(3+\sqrt{-5}\right)\left(7-\sqrt{-10}\right)$	$\sqrt{-25}+3$	$2(3+2i)$
$\sqrt{\frac{81}{25}}$	$(5+14i)-(10-2i)$	$(5+4i)-(-1-2i)$	$3+\sqrt{5}$	$-\sqrt{80}$	$2i-(3+2i)$
$(2+3i)(2-3i)$	$5i-\sqrt{-25}$	$(3+4i)(3+4i)$	$4-\sqrt{-25}$	$\left(2-\sqrt{-6}\right)^2$	$3i(2+3i)$
$(6+2i)+(1-2i)$	i^2	$\left(\sqrt{-15}\right)^2$	$4i^2$	$(1-3i)(1+3i)$	$(1+2i)(-1-2i)$
$\sqrt{-225}$	$\frac{2}{1+i}-\frac{3}{1-i}$	$(1+2i)+(2-3i)$	$(2i^2)(-3i^2)$	$2(3+4i)$	$(6+2i)(3i)$
$-\sqrt{-1}$ End Here	$-3i(-5i)$	$5i^2(2+i)$	$(2-3i)-3i$	$\frac{2i}{2+i}+\frac{5}{2-i}$	$\sqrt{-6}\sqrt{-2}$