

Complex Number Puzzle

Cut apart the pieces. Match the equivalent expressions to form a new square.

$(12i)(7i)$ $ 6i $ $6 + 10i$ $(2 + 3i)(-3 + 5i)$	$-13i$ $\sqrt{21}$ -1 $(-2 + 3i)(6 + 5i)$	$-21 + i$ $288i$ i $4i + 3i$	$-10 + 11i$ $-1 + 5i$ $2i(5 - 3i)$ $-2\sqrt{-9}$
$17i\sqrt{2}$ $3 - 4i$ $-\sqrt{-100}$ $ 3 - 4i $	$2i(1 + i)$ 12 -84 $(5i)(-4i)$	5 $(i + 4)(i + 3)$ $4i$ $1 - 8i$	$3 + 5i$ $6i$ $(4i + 3) + (i + 2)$ i^{11}
$2i\sqrt{2}$ $9i$ $-9i$ $8i$	$-6i$ $3\sqrt{-9}$ $4\sqrt{-18} + \sqrt{-50}$	20 $\sqrt{31}$ $(8i)(4i)(-9i)$ i^6	52 $9i$ $\sqrt{-16} \div \sqrt{-9}$
$7i$ $18 + 17i$ $(4 - i) - (7 + 3i)$ $\sqrt{-16} \cdot \sqrt{-9}$	-12 $10 + 11i$ $9i$	$\frac{4}{3}$ $\sqrt{7}$ $\sqrt{-8}$	$2i\sqrt{3}$ 3 $(i + 4)(i + 2)$ $(4 - 9i)(4 + 9i)$