

N.CN.2 Operations with Complex Numbers

Use your previous knowledge to help you to determine the answers for the new material. SIMPLIFY.

Previous

$$\underline{6x - 4} - \underline{9x + 11}$$

$$-3x + 7$$

$$(-3 + \underline{8x}) + (1 - \underline{2x})$$

$$6x - 2$$

$$\underline{(3x - 4)} + \underline{(2 + 10x)}$$

$$-7x - 6$$

$$7 - 9x + 3(-4x - 9) - 10x$$

$$7 - \underline{9x} - \underline{12x} - \underline{27} - \underline{10x}$$

$$-31x - 20$$

$$(7x - 5)(3x + 8)$$

$$21x^2 + \underline{56x} - 15x - 40$$

$$21x^2 + 41x - 40$$

$$(-x - 3)(2x - 9)$$

$$-2x^2 + \underline{9x} - \underline{6x} + 27$$

$$-2x^2 + 3x + 27$$

New

$$\underline{8i + 7} + \underline{12i - 5}$$

$$20i + 2$$

$$(2 - \underline{8i}) + (3 + \underline{5i})$$

$$-3i + 5$$

$$(-6 + \underline{i}) + (+13 + \underline{4i})$$

$$-3i + 7$$

$$-3 + 6i - 2(-5 - 3i) - 8i$$

$$-3 + \underline{6i} + 10 + \underline{6i} - \underline{8i}$$

$$4i + 7$$

$$(-2 - 3i)(6 + 7i)$$

$$-12 - \underline{14i} - \underline{18i} - \underline{21i^2}$$

$$-32i + 9$$

$$(5 - 2i)(5 - 2i)$$

$$25 - \underline{10i} - \underline{10i} + \underline{4i^2}$$

$$-20i + 21$$