

Name _____

Date _____

Addition and Subtraction of Complex Numbers - Matching Worksheet

Find the sum, difference, or product of the complex numbers. Write the letter of the answer that matches the problem.

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|-----------|--------------------------|----|-----------------|
| _____ 1. | $(15+17i) + (21+3i)$ | a. | $-13+(-7i)$ |
| _____ 2. | $(4 + 45i) + (8 + 35i)$ | b. | $-28+36i$ |
| _____ 3. | $(8 - 27i) - (14 - 16i)$ | c. | $308i^2 + 266i$ |
| _____ 4. | $(10- 35i) - (22- 30i)$ | d. | $12+80i$ |
| _____ 5. | $(15- 35i) - (28- 42i)$ | e. | $-225+375i$ |
| _____ 6. | $(20- 62i) - (38- 78i)$ | f. | $-6+(-11i)$ |
| _____ 7. | $15i (25+ 15i)$ | g. | $-18+16i$ |
| _____ 8. | $2i (18 + 14i)$ | h. | $36+20i$ |
| _____ 9. | $4i (16 + 19i)$ | i. | $-12+(-8i)$ |
| _____ 10. | $14i (19 + 22i)$ | j. | $-76+64i$ |

