

解答

複素数の計算練習 1

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|----------------|----------------|
| (1) $2 - i$ | (2) $1 + 5i$ |
| (3) $4 + 4i$ | (4) $12 + 6i$ |
| (5) 68 | (6) $24 - 41i$ |
| (7) 8 | (8) $35 + 12i$ |
| (9) $45 - 28i$ | (10) 50 |
| (11) $12 - 2i$ | (12) 0 |

複素数の計算練習 2

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|-----------------|-----------------|
| (1) $-3i$ | (2) $-15 + 2i$ |
| (3) $-1 + 8i$ | (4) $6 - 2i$ |
| (5) $-34 + 53i$ | (6) 65 |
| (7) 26 | (8) 74 |
| (9) 10 | (10) 25 |
| (11) $12i$ | (12) $-10 - 8i$ |

複素数の計算練習 3

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|----------------|----------------|
| (1) $-11i$ | (2) $3 - 4i$ |
| (3) $-4 + 16i$ | (4) $8 - 12i$ |
| (5) 37 | (6) $2 - 25i$ |
| (7) 18 | (8) $-7 + 24i$ |
| (9) $+18i$ | (10) 50 |
| (11) 0 | (12) -10 |

複素数の計算練習 4

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|-------------------------|--------------------------|
| (1) $8 - 24i$ | (2) $\frac{-1 + 6i}{37}$ |
| (3) $-2 - 4i$ | (4) $\frac{1 - 6i}{37}$ |
| (5) $\frac{2 + 9i}{5}$ | (6) $\frac{-7 - 26i}{5}$ |
| (7) $\frac{2}{17}$ | |
| (8) $\frac{17}{10 - i}$ | |
| (9) $\frac{5}{5 + 5i}$ | |
| (10) $\frac{37}{-i}$ | |
| (11) $\frac{2}{5}$ | |
| (12) $\frac{-2i}{15}$ | (13) $\frac{7 + 2i}{15}$ |

複素数の計算練習 5

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|---------------------------|---------------------------|
| (1) $10 - 2i$ | (2) $\frac{-2 - 5i}{29}$ |
| (3) $1 - 5i$ | (4) $\frac{-3 + 3i}{8}$ |
| (5) $\frac{26 - 7i}{25}$ | (6) $\frac{-27 - 5i}{13}$ |
| (7) $\frac{2}{15}$ | |
| (8) $\frac{15}{21 - i}$ | |
| (9) $\frac{20}{-1 - i}$ | |
| (10) $\frac{15}{3 + 3i}$ | |
| (11) $\frac{-i}{5}$ | |
| (12) $\frac{29}{-2 - 2i}$ | (13) $\frac{5 + 5i}{17}$ |

複素数の計算練習 6

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|---------------------------|---------------------------|
| (1) $-3 + 4i$ | (2) $\frac{1 - i}{2}$ |
| (3) $10 - 12i$ | (4) $\frac{-1 - 5i}{26}$ |
| (5) $\frac{-8 + 19i}{25}$ | (6) $\frac{-1 + 3i}{5}$ |
| (7) $\frac{10}{29}$ | |
| (8) $\frac{29}{12 + 3i}$ | |
| (9) $\frac{25}{1 + i}$ | |
| (10) $\frac{4}{7 + 7i}$ | |
| (11) $\frac{1 + i}{8}$ | |
| (12) $\frac{4}{15}$ | (13) $\frac{-3 - 2i}{10}$ |

複素数の計算練習 7

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|-------------------------------|
| (1) $\frac{2 - 16i}{5}$ |
| (2) $\frac{16 + 4i}{5}$ |
| (3) $\frac{-6 + 5i}{-1 + 2i}$ |
| (4) $\frac{17}{3 - 5i}$ |
| (5) $\frac{2}{-3 + 7i}$ |
| (6) $-3 + 7i$ |

複素数の計算練習 8

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|---------------------------------|
| (1) $\frac{-3 - 9i}{5}$ |
| (2) $\frac{61 + 12i}{25}$ |
| (3) $\frac{-21 + 6i}{5}$ |
| (4) $\frac{13 + 3i}{-13 - 15i}$ |
| (5) $\frac{10}{-2 + 20i}$ |
| (6) $\frac{5}{5}$ |

複素数の計算練習 9

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|----------------------------|
| (1) $\frac{-9 + 10i}{25}$ |
| (2) $\frac{-9 + 11i}{2}$ |
| (3) $\frac{6 + 10i}{5}$ |
| (4) $\frac{-27 + 29i}{29}$ |
| (5) $\frac{-8 + i}{5}$ |
| (6) $\frac{-29 + 3i}{5}$ |