

解答

複素数 4 (分数の和と差・分母が共役) その 1

$$\begin{array}{ll}
 (1) \frac{1}{2} & \\
 (2) \frac{15+i}{13} & \\
 (3) \frac{2+2i}{15} & \\
 (4) \frac{5}{13} & (5) \frac{-2i}{13} \\
 (6) \frac{6+i}{15} & (7) \frac{6+25i}{29} \\
 (8) \frac{25+2i}{29} & (9) \frac{-2+16i}{17} \\
 (10) \frac{7+7i}{25} & (11) \frac{3+3i}{10} \\
 (12) \frac{3+3i}{20} & (13) \frac{4+4i}{25}
 \end{array}$$

複素数 4 (分数の和と差・分母が共役) その 2

$$\begin{array}{ll}
 (1) \frac{8}{25} & \\
 (2) \frac{2-3i}{10} & \\
 (3) \frac{1+i}{17} & \\
 (4) \frac{1}{4} & (5) \frac{-6i}{13} \\
 (6) \frac{14+i}{5} & (7) \frac{5+2i}{13} \\
 (8) \frac{5-i}{12} & (9) \frac{-9-10i}{13} \\
 (10) \frac{-1-i}{15} & (11) \frac{1+i}{5} \\
 (12) \frac{3+3i}{20} & (13) \frac{5+5i}{17}
 \end{array}$$

複素数 4 (分数の和と差・分母が共役) その 3

$$\begin{array}{ll}
 (1) \frac{3}{5} & \\
 (2) \frac{15+i}{10} & \\
 (3) \frac{2+2i}{15} & \\
 (4) \frac{4}{15} & (5) \frac{-i}{4} \\
 (6) \frac{6-3i}{13} & (7) \frac{1-5i}{12} \\
 (8) \frac{5+5i}{26} & (9) \frac{-1+5i}{4} \\
 (10) \frac{-2-2i}{29} & (11) \frac{1+i}{5} \\
 (12) \frac{1+i}{5} & (13) \frac{3+3i}{10}
 \end{array}$$

複素数 4 (分数の和と差・分母が共役) その 4

$$\begin{array}{ll}
 (1) \frac{5}{17} & \\
 (2) \frac{14+i}{15} & \\
 (3) \frac{1+i}{10} & \\
 (4) \frac{1}{5} & (5) \frac{-2i}{15} \\
 (6) \frac{10+3i}{5} & (7) \frac{1+5i}{12} \\
 (8) \frac{10+3i}{10} & (9) \frac{6+25i}{29} \\
 (10) \frac{3+3i}{10} & (11) \frac{5+5i}{37} \\
 (12) \frac{1+i}{7} & (13) \frac{4+4i}{25}
 \end{array}$$

複素数 4 (分数の和と差・分母が共役) その 5

$$\begin{array}{ll}
 (1) \frac{1}{4} & \\
 (2) \frac{3-i}{8} & \\
 (3) \frac{-2-2i}{13} & \\
 (4) \frac{3}{5} & (5) \frac{-5i}{17} \\
 (6) \frac{10-i}{5} & (7) \frac{-1-9i}{10} \\
 (8) \frac{28-3i}{25} & (9) \frac{-1-5i}{8} \\
 (10) \frac{-1-i}{20} & (11) \frac{7+7i}{25} \\
 (12) \frac{1+i}{5} & (13) \frac{7+7i}{29}
 \end{array}$$

複素数 4 (分数の和と差・分母が共役) その 6

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

複素数 4 (分数の和と差・分母が共役) その 7

$$\begin{array}{ll}
 (1) \frac{1}{3} & \\
 (2) \frac{5+6i}{15} & \\
 (3) \frac{5+5i}{29} & \\
 (4) \frac{4}{15} & (5) \frac{-5i}{13} \\
 (6) \frac{5-4i}{17} & (7) \frac{-9-5i}{10} \\
 (8) \frac{20+3i}{25} & (9) \frac{1+6i}{5} \\
 (10) \frac{5+5i}{39} & (11) \frac{-1-i}{5} \\
 (12) \frac{-1-i}{15} & (13) \frac{-3-3i}{34}
 \end{array}$$

複素数 4 (分数の和と差・分母が共役) その 8

$$\begin{array}{ll}
 (1) \frac{1}{5} & \\
 (2) \frac{9+2i}{26} & \\
 (3) \frac{3+3i}{34} & \\
 (4) \frac{4}{29} & (5) \frac{-3i}{13} \\
 (6) \frac{5-3i}{4} & (7) \frac{-4-6i}{15} \\
 (8) \frac{5+i}{12} & (9) \frac{-2+2i}{5} \\
 (10) \frac{5+5i}{39} & (11) \frac{3+3i}{29} \\
 (12) \frac{1+i}{3} & (13) \frac{3+3i}{25}
 \end{array}$$

複素数 4 (分数の和と差・分母が共役) その 9

$$\begin{array}{ll}
 (1) \frac{3}{17} & \\
 (2) \frac{7+i}{6} & \\
 (3) \frac{1+i}{5} & \\
 (4) \frac{1}{3} & (5) \frac{-5i}{17} \\
 (6) \frac{14-3i}{26} & (7) \frac{9-10i}{13} \\
 (8) \frac{12+4i}{13} & (9) \frac{-6-5i}{15} \\
 (10) \frac{1+i}{5} & (11) \frac{6+6i}{37} \\
 (12) \frac{-1-i}{17} & (13) \frac{-1-i}{15}
 \end{array}$$