

解答

複素数 3 (分母を実数にする) その 1

(1) $2 + 12i$	(2) $\frac{-3 + i}{5}$
(3) $\frac{-1 - 3i}{10}$	(4) $\frac{-6 - 5i}{61}$
(5) $\frac{-1 - 2i}{5}$	(6) $\frac{9 - 6i}{13}$
(7) $\frac{1 + 4i}{17}$	(8) $\frac{-3 - 3i}{4}$
(9) $12 + 10i$	(10) $\frac{-4 - 5i}{41}$
(11) $\frac{17 - 11i}{10}$	(12) $\frac{11 + 8i}{37}$
(13) $\frac{-7 - 4i}{13}$	(14) $\frac{-9 - 2i}{17}$
(15) $\frac{-28 - 17i}{29}$	(16) $\frac{-13 + 9i}{5}$

複素数 3 (分母を実数にする) その 2

(1) $2 - 3i$	(2) $\frac{2 + i}{10}$
(3) $2 + 4i$	(4) $\frac{3 + 9i}{20}$
(5) $10 - 8i$	(6) $\frac{1 + i}{12}$
(7) $4 + i$	(8) $\frac{-3 + 3i}{4}$
(9) $8 - 16i$	(10) $\frac{-4 + 10i}{29}$
(11) $\frac{-18 + 25i}{13}$	(12) $-1 - 2i$
(13) $\frac{1 + 4i}{17}$	(14) $\frac{21 + 16i}{17}$
(15) $1 + 2i$	(16) $\frac{9 + 13i}{10}$

複素数 3 (分母を実数にする) その 3

(1) $\frac{1 + 3i}{20}$	(2) $1 - 6i$
(3) $\frac{-6 - 8i}{25}$	(4) $-1 + 4i$
(5) $\frac{1 - 3i}{20}$	(6) $\frac{2 - 3i}{26}$
(7) $\frac{-3 - 3i}{2}$	(8) $\frac{2 - 3i}{13}$
(9) $\frac{-6 + 4i}{13}$	(10) $12 + 8i$
(11) $\frac{13 + 16i}{25}$	(12) $\frac{-27 - i}{10}$
(13) $\frac{-8 + 9i}{29}$	(14) $\frac{1 - 13i}{5}$
(15) $\frac{19 + 4i}{13}$	(16) $\frac{13 - 3i}{2}$

複素数 3 (分母を実数にする) その 4

(1) $\frac{4 - 5i}{41}$	(2) $\frac{-3 + 3i}{2}$
(3) $\frac{-1 - 3i}{10}$	(4) $\frac{-4 + 2i}{15}$
(5) $\frac{3 + 4i}{25}$	(6) $\frac{-9 + 6i}{26}$
(7) $\frac{-2 + 5i}{29}$	(8) $72 - 72i$
(9) $\frac{-2 - 5i}{29}$	(10) $\frac{2 + i}{15}$
(11) $\frac{6 + 17i}{13}$	(12) $\frac{3 + 4i}{5}$
(13) $\frac{-38 - 21i}{65}$	(14) $\frac{1 + 22i}{5}$
(15) $\frac{2 + i}{5}$	(16) $\frac{3 + 28i}{13}$

複素数 3 (分母を実数にする) その 5

(1) $36 - 18i$	(2) $\frac{-4 + 5i}{41}$
(3) $\frac{1 + 4i}{17}$	(4) $\frac{-2 + 4i}{5}$
(5) $6 - 4i$	(6) $\frac{-15 + 9i}{34}$
(7) $\frac{5 + 4i}{41}$	(8) $\frac{2 + 5i}{29}$
(9) $8 + 8i$	(10) $\frac{3 - 15i}{26}$
(11) $\frac{-9 + 20i}{13}$	(12) $\frac{21 + 25i}{26}$
(13) $\frac{-2 + i}{5}$	(14) $\frac{23 + 11i}{5}$
(15) $\frac{-23 + 6i}{5}$	(16) $\frac{-27 + 14i}{25}$

複素数 3 (分母を実数にする) その 6

(1) $2 - 8i$	(2) $\frac{1 - i}{12}$
(3) $\frac{-2 - 12i}{37}$	(4) $\frac{5 + 3i}{34}$
(5) $\frac{2 - 3i}{13}$	(6) $5 - 2i$
(7) $\frac{8 + 2i}{17}$	(8) $\frac{-1 - 3i}{20}$
(9) $\frac{-1 - 2i}{15}$	(10) $2 + 10i$
(11) $\frac{-37 + 10i}{13}$	(12) $\frac{9 + 5i}{2}$
(13) $\frac{21 + i}{17}$	(14) $\frac{3 + 5i}{2}$
(15) $\frac{3 - 29i}{25}$	(16) $\frac{-44 - 17i}{25}$

複素数 3 (分母を実数にする) その 7

(1) $\frac{3 - 12i}{17}$	(2) $\frac{2 - 3i}{13}$
(3) $\frac{10 + 12i}{61}$	(4) $12 - 10i$
(5) $\frac{3 - 3i}{4}$	(6) $\frac{2 + 3i}{26}$
(7) $\frac{-1 - 3i}{10}$	(8) $\frac{1 + 4i}{17}$
(9) $36 + 18i$	(10) $\frac{1 - i}{8}$
(11) $\frac{12 - 5i}{13}$	(12) $\frac{-9 + 7i}{13}$
(13) $\frac{-4 + 3i}{25}$	(14) $\frac{-17 + 6i}{13}$
(15) $\frac{-3 + 7i}{29}$	(16) $\frac{-1 - 12i}{5}$

複素数 3 (分母を実数にする) その 8

(1) $-2 - 3i$	(2) $\frac{1 + 3i}{10}$
(3) $5 - 3i$	(4) $\frac{-2 + 5i}{29}$
(5) $12 + 8i$	(6) $\frac{1 - i}{6}$
(7) $\frac{-3 - 3i}{4}$	(8) $\frac{1 - i}{8}$
(9) $\frac{-1 + i}{5}$	(10) $\frac{1 + 3i}{20}$
(11) $\frac{-2 - i}{5}$	(12) $\frac{2 + i}{5}$
(13) $\frac{-7 - i}{25}$	(14) $1 + 4i$
(15) $\frac{3 - 2i}{13}$	(16) $\frac{11 - 18i}{5}$

複素数 3 (分母を実数にする) その 9

(1) $\frac{-1 - 2i}{5}$	(2) $\frac{3 + i}{10}$
(3) $4 - 5i$	(4) $\frac{1 - 3i}{10}$
(5) $\frac{6 - 9i}{26}$	(6) $12 - 10i$
(7) $\frac{1 - i}{6}$	(8) $4 + 2i$
(9) $\frac{3 - 15i}{26}$	(10) $\frac{6 - 5i}{61}$
(11) $\frac{9 - 19i}{17}$	(12) $\frac{3 + 7i}{2}$
(13) $2 + 3i$	(14) $\frac{7 - i}{5}$
(15) $\frac{5 - 11i}{2}$	(16) $\frac{6 + 7i}{17}$