

WORKSHEET

Square Root of Complex Numbers

Unsolved with Answer key



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Square Root of Complex Numbers

Q1. Find the square root of $z = -3 + 4i$.

Q2. Compute the square root of $z = 2 - 2i$.

Q3. Determine the square root of $z = -1 + i$.

Q4. Calculate the square root of $z = 5 + 12i$.

Q5. Find the square root of $z = -7 - 24i$.

Q6. Compute the square root of $z = 4 + 4i$.

Q7. Determine the square root of $z = 10 - 6i$.

Q8. Calculate the square root of $z = -9 + 16i$.

Q9. Find the square root of $z = -5 + 12i$.

Q10. Compute the square root of $z = 7 + 24i$.

Answer Key

Square Root of Complex Numbers

1. $1 + 2i$
2. $1.553 + 0.643i$
3. $0.707 + 0.707i$
4. $3 + 2i$
5. $2 - 6i$
6. $2 + i$
7. $3.162 + 0.948i$
8. $1 + 4i$
9. $2 + 3i$
10. $4 + 3i$