

Quiz: Imaginary Unit and Standard Complex Form

1 Solve the following quadratic equation:
 $x^8 + 4 = 0$

2 Solve the following expression for x:
 $x^3 = -12$

3 Write $(-4+12i)/6$ fractional expression in standard $a + bi$ form.

4 State the values of the a and b components of a + bi form for $12-4i$ complex number.

5 Write the 15 numbers in standard $a + bi$ form.

6 Write $-6+11i/6$ fractional expression in standard $a + bi$ form:

7 Solve the following quadratic equation:
 $x^7 + 6 = 0$

8 Solve the following expression for x:
 $x^4 = -15$

9 Write $(-8+3i)/4$ fractional expression in standard $a + bi$ form.

10 State the values of the a and b components of a + bi form for $15-2i$ complex number.

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%