

Quadratics 4c – Complex Numbers

Homework #16

Solve the equation.

1. $x^2 = -11$

2. $2x^2 + 9 = -41$

3. $-x^2 - 4 = 14$

4. $3s^2 - 1 = 7s^2$

5. $-6(u+5)^2 = 120$

6. $9(w-4)^2 + 1 = 0$

Write the expression as a complex number in standard form.

7. $(-4 + 7i) + (-4 - 7i)$

8. $(2 - 6i) - (-10 + 4i)$

9. $-i + (8 - 2i) - (5 - 9i)$

10. $4i(6 - i)$

11. $(-1 + 2i)(11 - i)$

12. $(3 + 10i)^2$

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