1. Solve for solutions. $x^2 + 121 = 0$

2. Express in terms of i. $\sqrt{-490}$

3. Find the zeros of the function. $f(x) = x^2 + 8x + 23$

4. Find the value of the discriminant. State the type and number of solutions for the equation. $x^2 - 12x = 36$

5. Solve for imaginary solutions. $\frac{1}{5}x^2 = -5$

6. Find each complex conjugate.   7-4i

7. Write the quadratic formula.

8. Solve the quadratic equation by using the quadratic formula. $-x^2 + 3x + 5 = 0$

9. What part of the quadratic formula is the discriminant?

10. Find the value of the discriminant. State the type and number of solutions for the equation. $x^2 - 12x = -36$

11. Find the zeros of the function. $f(x) = 5x^2 + 20x + 35$

12. Solve the quadratic equation by using the quadratic formula. $x^2 + 12 = x$