PoW 23:

1. Practice
2. Work Backwards
3. Apply

1. Without solving determine whether the equation $x^2 - 10x + 15 = 0$ has
   - two real solutions
   - two complex solutions
     or
   - one real solution

2. Find a number c so that the equation $x^2 - 10x + c = 0$ has exactly one real solution.

3. Try it again: find a number c so that the equation $x^2 + 12x + c = 0$ has exactly one real solution.

Write one or two sentences describing how you can find the c that makes the equation have only one solution.

4 pts.

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