- 1. -b/2a
- 2. Product 1 is 24, smallest root is -4, the answer is -6
- 3. 97
- 4. 25=(30*20)/(8*3)

4.5 = 42 (roots are distinct)

4.6 = a+b+c=79? Old answer was 167, the sum of roots is zero (- an-1 / an),, find the root and expand.

5.0 - 51/25 (old incorrect answer was -49/125)

6.0 q is 9/2. This is amc question, #6

6.6 sqrt 6

7.0 c is -9/4

9.0 a;b;c= 1;i;-i

10.0 -50, notice that the sum of roots is zero

11. R is 3/2, or 1.5 (both are 3 keys haha)

12. The answer is 25.

14.0 f(1) is -7007. Amc question here, i think #24.

https://artofproblemsolving.com/wiki/index.php/2017 AMC 10A Problems/Problem 24

This problem doesn't require vietas, though they help

15.0 -6

Bonus 1 = 5

Bonus 2 = 119, use simon's favourite factoring trick