1. $-\mathrm{b} / 2 \mathrm{a}$
2. Product 1 is 24 , smallest root is -4 , the answer is -6
3. 97
4. $25=\left(30^{*} 20\right) /\left(8^{*} 3\right)$
$4.5=42$ (roots are distinct)
$4.6=a+b+c=79$ ? Old answer was 167 , the sum of roots is zero ( $-\mathrm{an}-1 /$ 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
5. R is $3 / 2$, or 1.5 (both are 3 keys haha)
6. 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

