Remarks on the paper "Tiling of regular polygon with similar right triangles, II" by Leonid Vigdorchik

The main result is that, apart from some exceptional cases, the regular $n$ gon cannot be tiled with right triangles with acute angle $(n-2) \pi /(3 n)$. It is known that if $n \geq 4$ then the only right triangle that tiles the regular $n$-gon has acute angles $\pi / n$ and $(\pi / 2)-(\pi / n)$. However, the proof of this general theorem uses advanced methods, and it makes sense to check how far we can get with elementary methods.
As far as I see, the proof of the theorem is correct. I only have two minor remarks.

First, the theorem could be improved slightly: the condition $n>8$ could be replaced by $n \neq 4,5,8$. Indeed, the proof of Lemma 2 actually gives that the exceptional values are $4,5,8,14,20,32$.
As for Lemma 3, the condition $n>8$ is used only in the case $b=1$. It is easy to check that a modified argument also works in the cases $n=3,6,7$.
I also remark that the phrasing of the proof of Lemma 3 is not the best. In the subcases when $r=0$ there are superfluous $+r$ terms in the right hand sides, which is confusing. At the end of cases $2,3,4$ the concluding sentence "Hence $p, q=2$ " etc. is also confusing, since the argument actually concludes when we see that $n$ equals one of the excluded values.

