THE SOLUTIONS OF THE 1ST WEEK



$$A=(\sqrt{50-7})^{475}\times(\sqrt{50+7})^{475}=?$$

$$A=[(\sqrt{50}-7)(\sqrt{50}+7)]^{475}$$

$$A=(\sqrt{50^2-7^2})^{475}$$

3-

$$\Delta \{a^2=a+1,b^2=b+1\} / B=a^5+b^5=?$$

$$B=(a+1)^2.a+(b+1)^2.b$$

$$B=(a^2+2a+1).a+(b^2+2b+1).b$$

$$B=(a+1+2a+1).a+(b+1+2b+1).b$$

$$B=a^2+a+2a^2+a+b^2+b+2b^2+b$$

$$B=a+1+a+2(a+1)+a+b+1+b+2(b+1)+b$$

$$a^2-b^2=a-b\Delta$$



