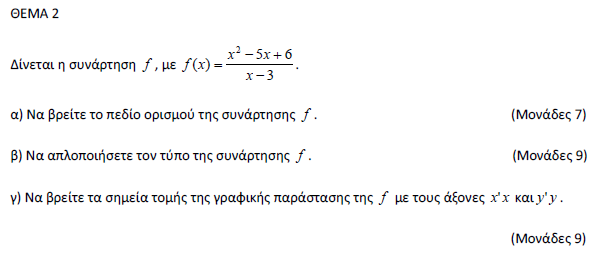
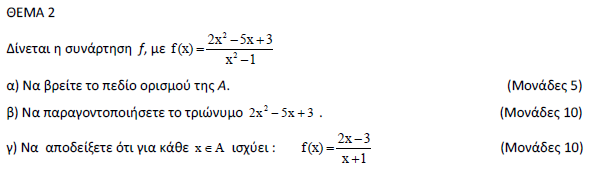
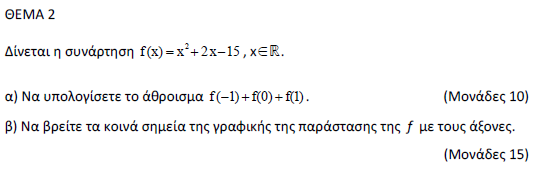
**1.Α1**



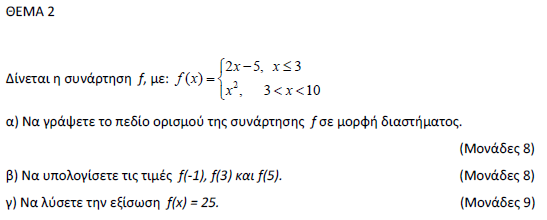
**2.Α10**



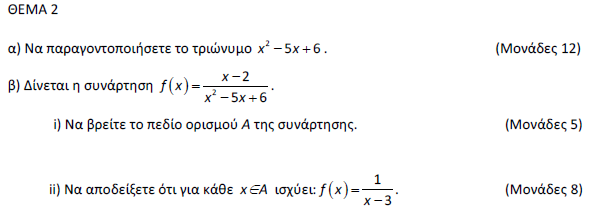
**3.Α14**



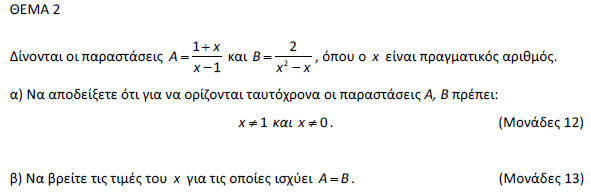
**4.Α25**



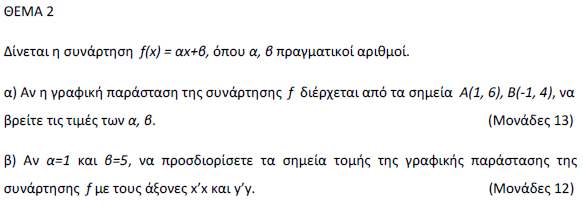
**5.Α35**



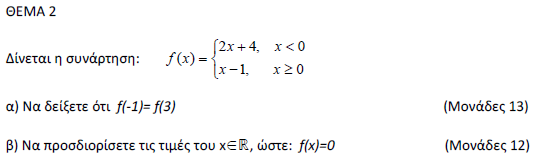
**6.36**



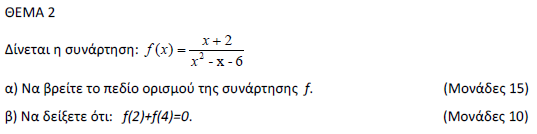
**7.Α39**



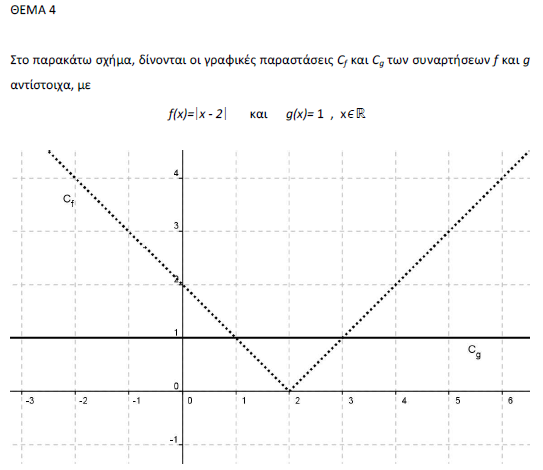
**8.Α41**

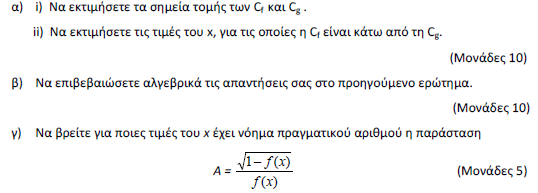


**9.Α49**

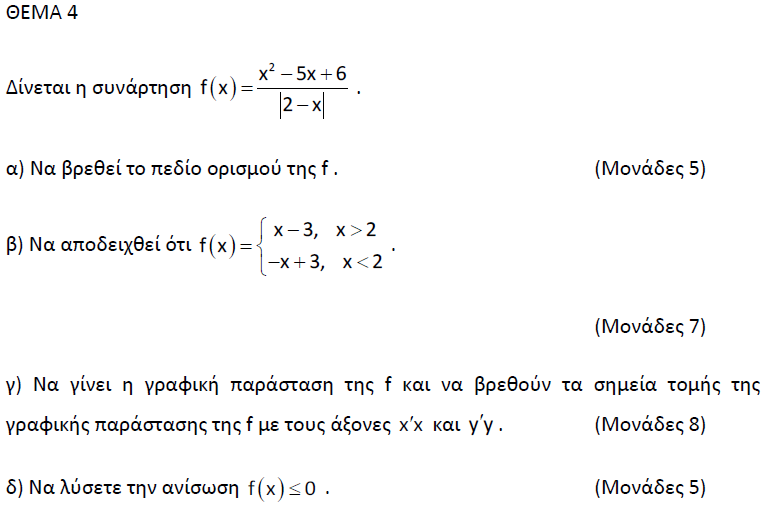


**10.A55**

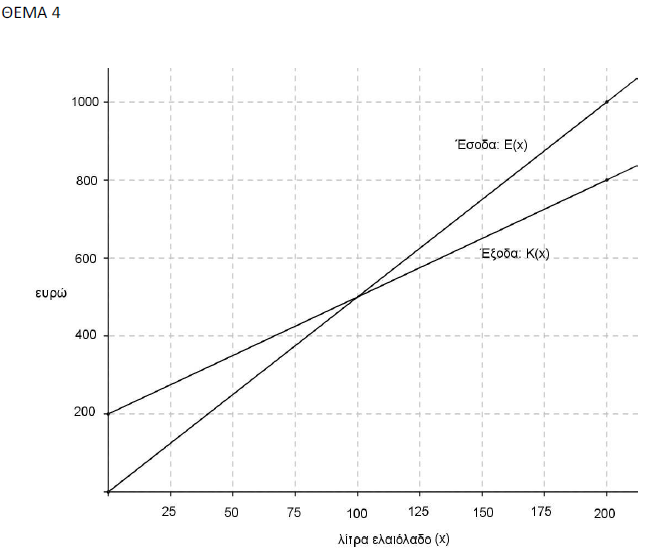


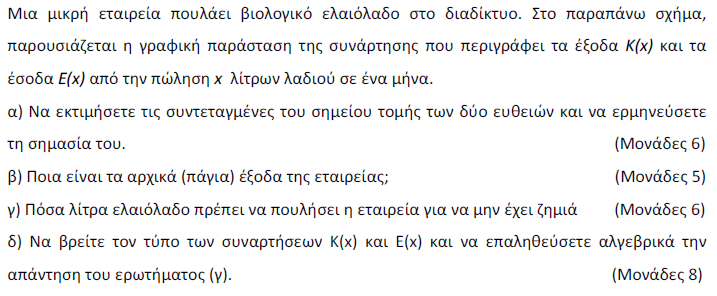


**11.Α57**

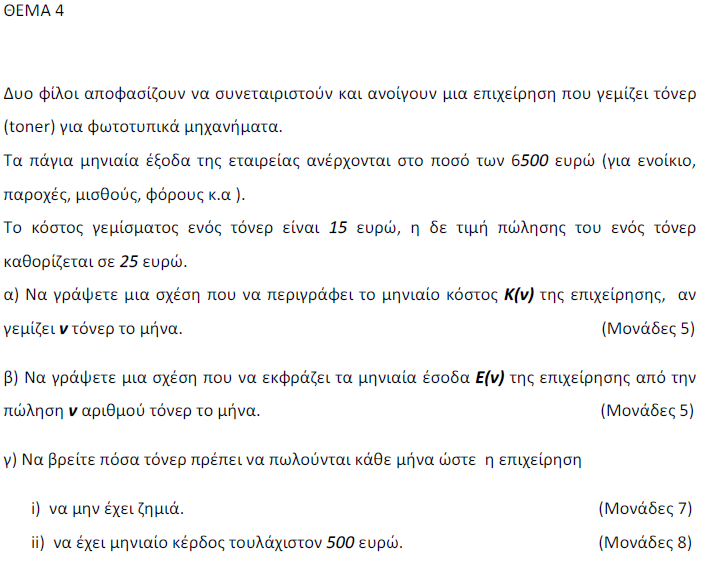


**12.Α61**





**13.Α65**

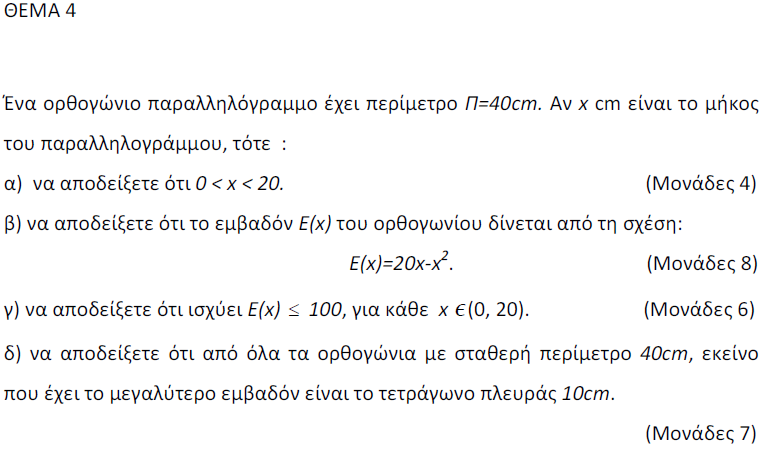


Α) Κ(ν)=15ν+6500

Β) Ε(ν)=25ν

Γ) i) Για να μην έχει ζημιά πρέπει Κ(ν)≤Ε(ν) ⇔15ν+6500≤25ν ⇔ 10ν≥6500 ⇔ ν≥650 τόνερ. ii) Για να έχει μηνιαίο κέρδος τουλάχιστον 500 Ευρώ, πρέπει Ε(ν)-Κ(ν)≥500 ⇔ 25ν-15ν-6500≥500 ⇔ 10ν≥7000 ⇔ ν≥700 τόνερ.

**14.Α68**



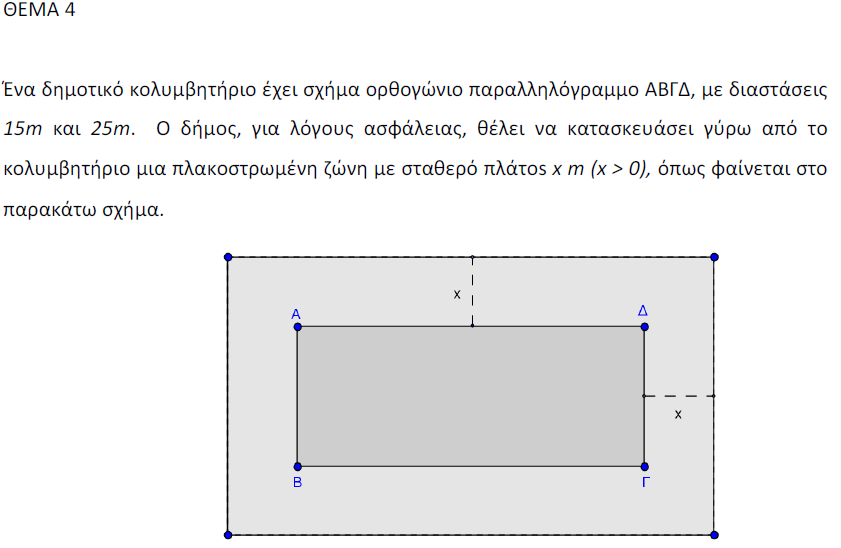
Α) έστω y cm το πλάτος του παραλληλογράμμου. Τότε y>0 και Π=2χ+2y=40. Άρα 0<2x<40 ⇔ 0<χ<20.

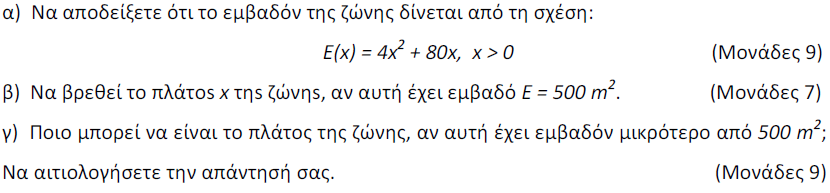
Β) είναι 2χ+2y=40 ⇔ χ+y=20 ⇔ y=20-x. Άρα Ε(χ)=χ(20-χ)=20χ-

Γ) το τριώνυμο Ε(χ)= -+20χ, έχει κορυφή με συντεταγμένες: χ=- =10 και y=-=-=100. Επειδή α=-1<0, η Ε(χ) θα είναι γνήσια αύξουσα για χ≤10 και γνήσια φθίνουσα για χ≥10 και θα παίρνει μέγιστη τιμή, για χ=10 την Ε(10)=100. Άρα Ε(χ)≤100, 0<χ<20.

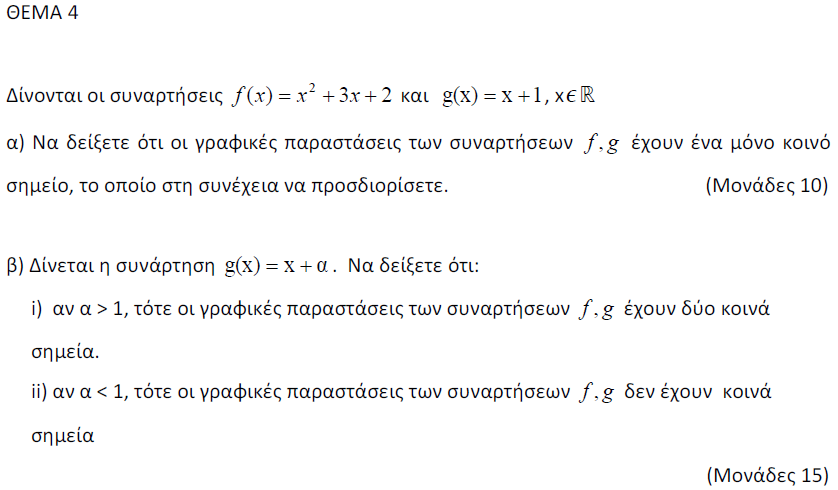
Δ) το Ε(χ) γίνεται μέγιστο (100 cm2), όταν χ=10, οπότε y=20-10=10, δηλ. όταν γίνει τετράγωνο.

**15.Α69**

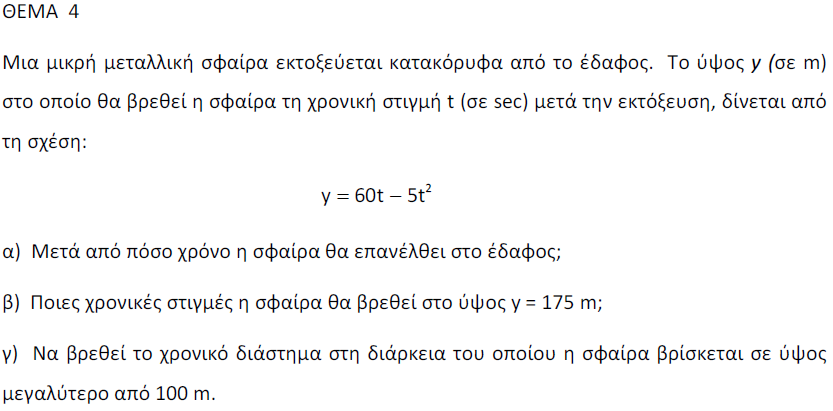




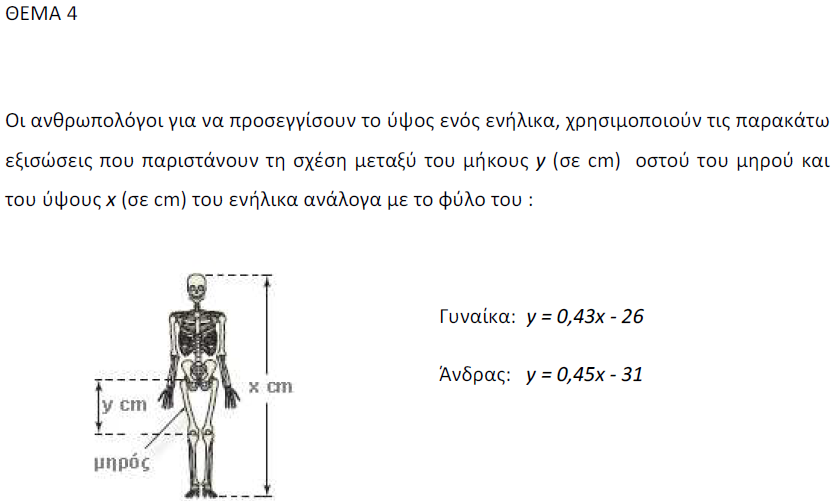
**16.Α71**

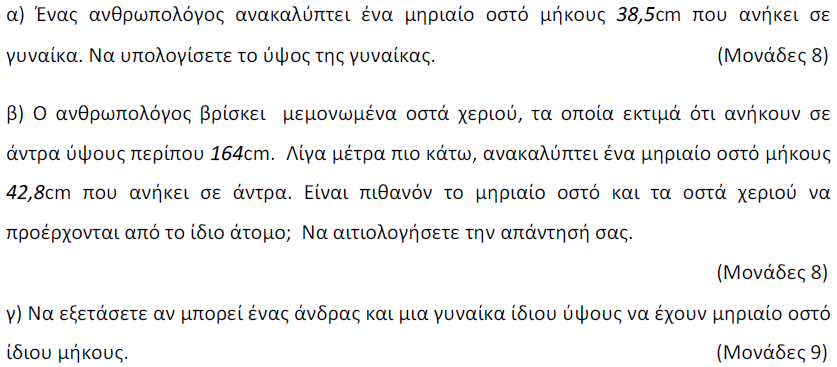


**17.Α72**

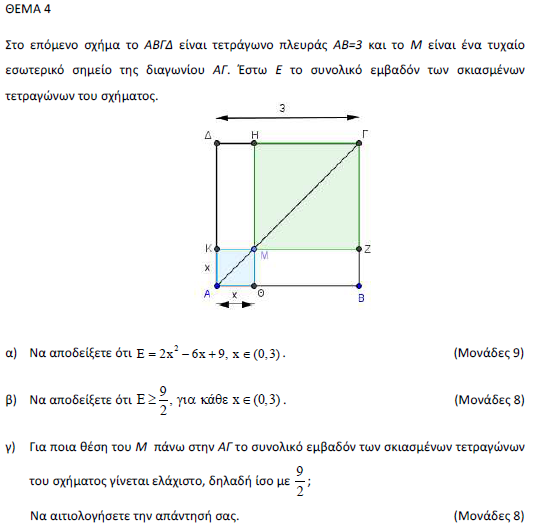


**18.Α73**

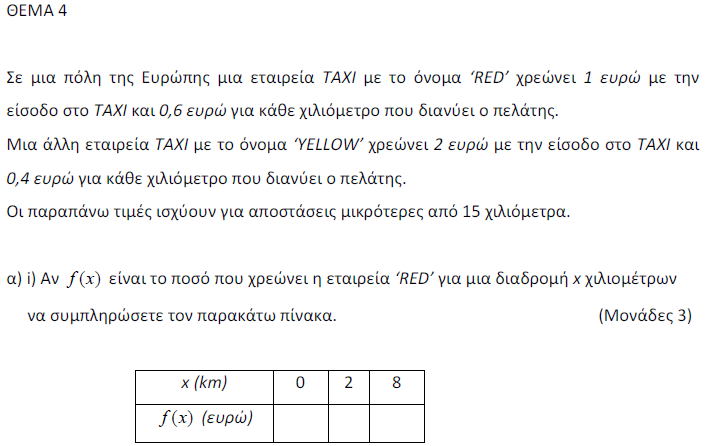


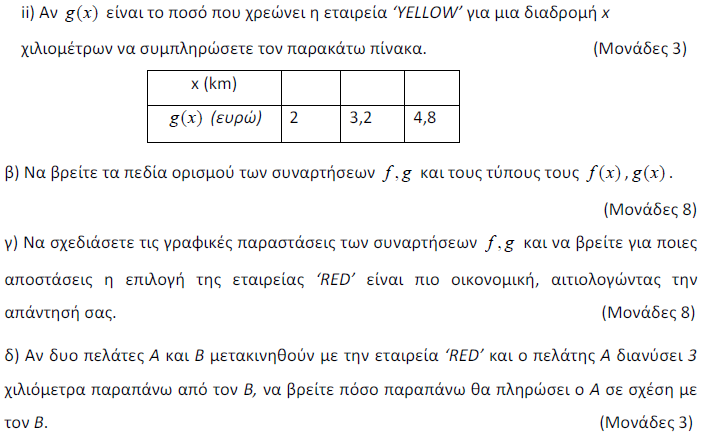


**19.Α76**

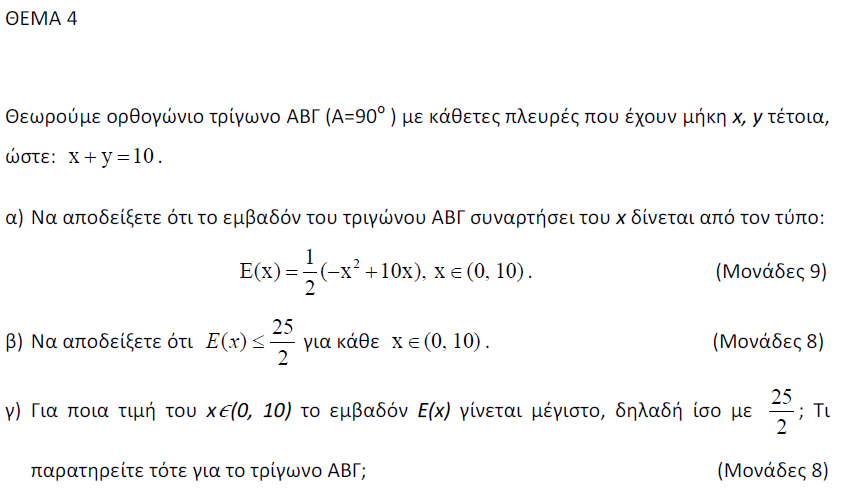


**20.Α77**

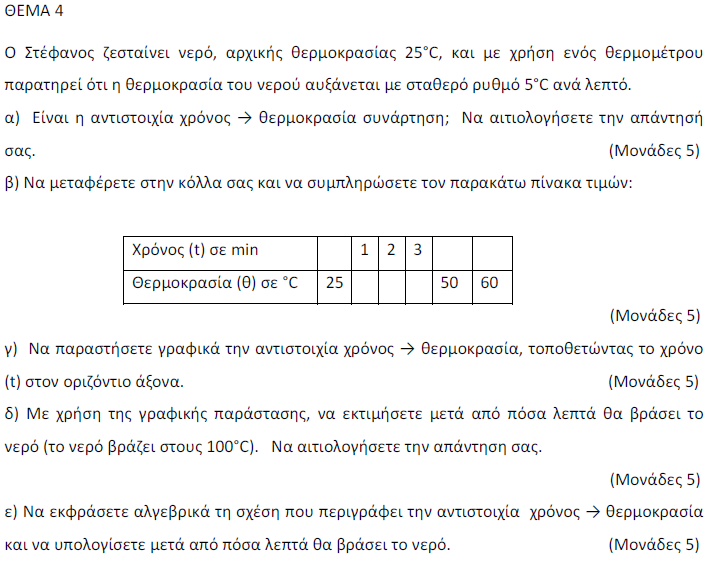




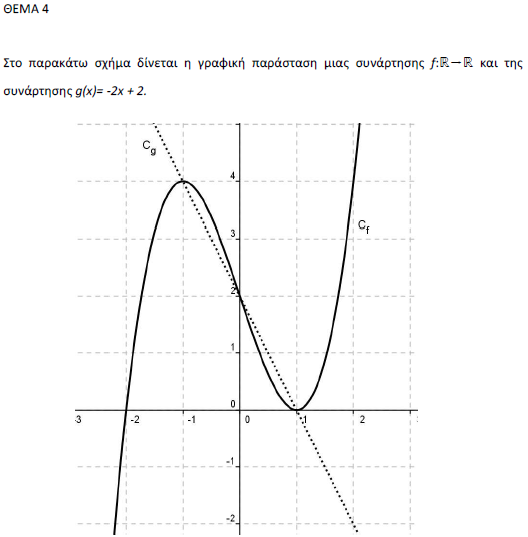
**21.A78**

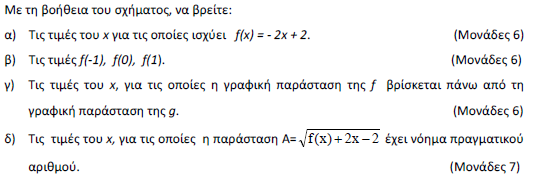


**22.Α83**

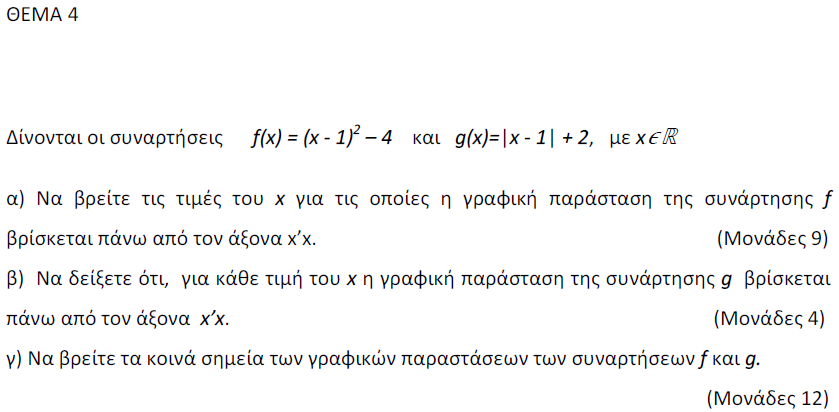


**23.Α84**

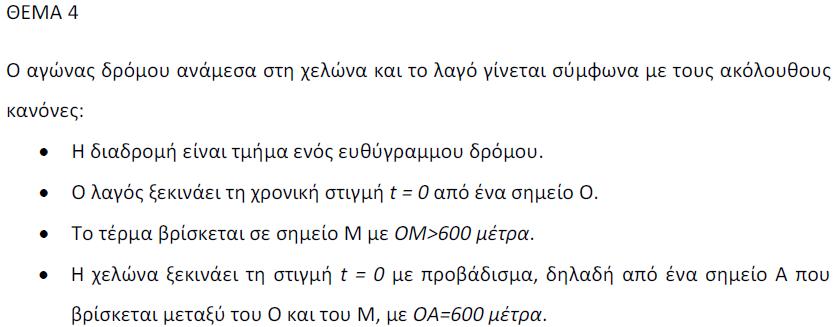


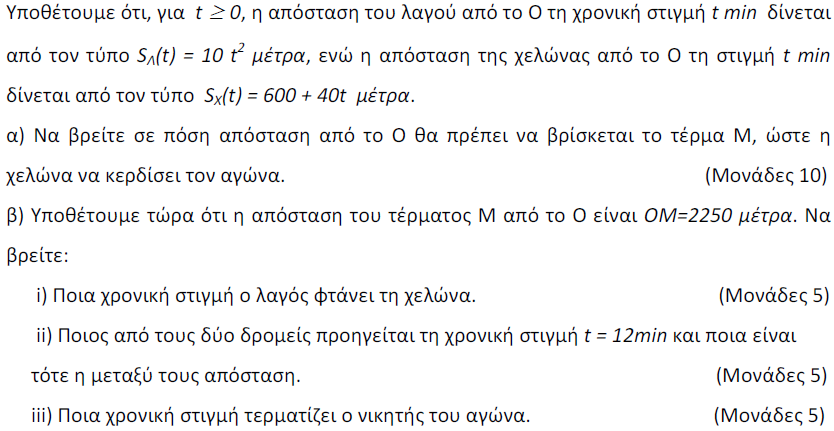


**24.Α87**

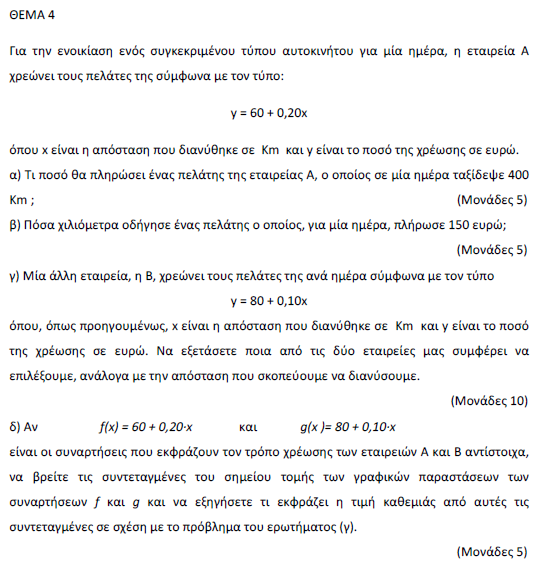


**25.Α88**

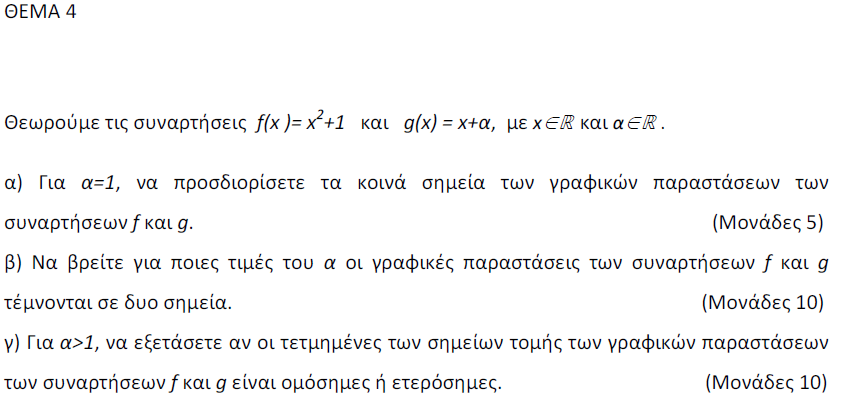




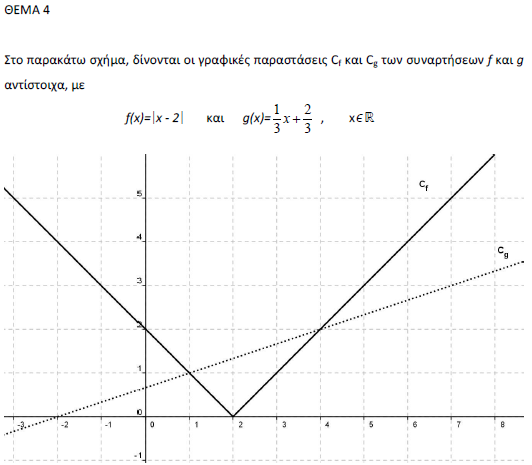
**26.A93**

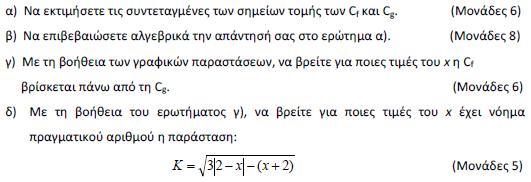


**27.Α102**

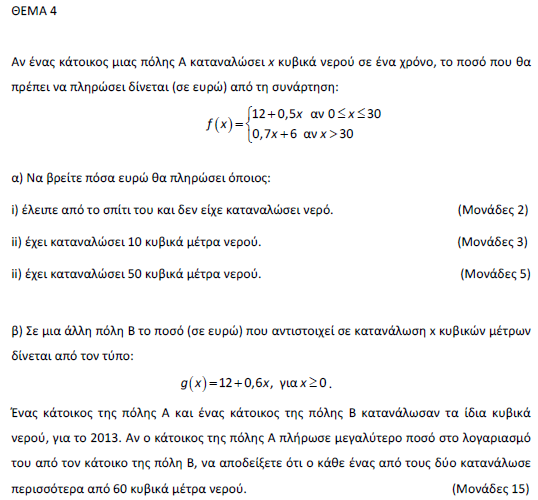


**28.Α104**

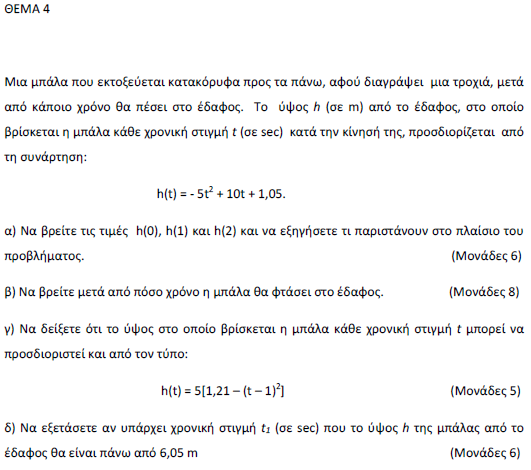




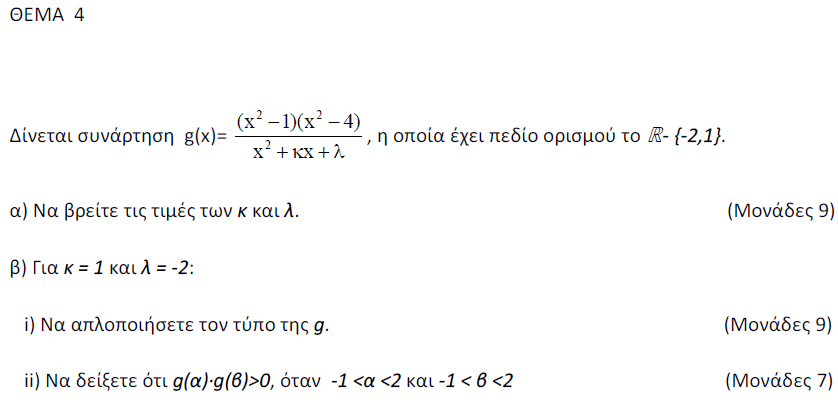
**29.Α105**



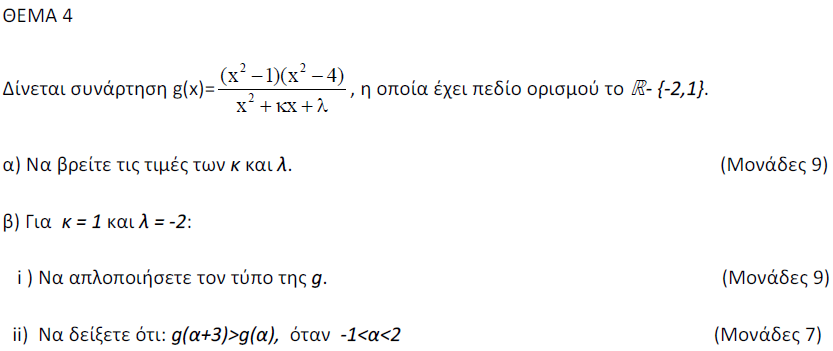
**30.Α106**



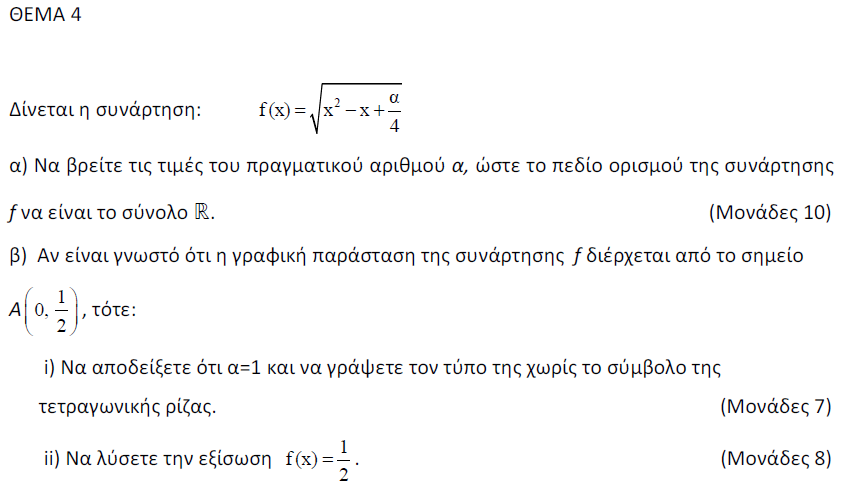
**31.Α114**



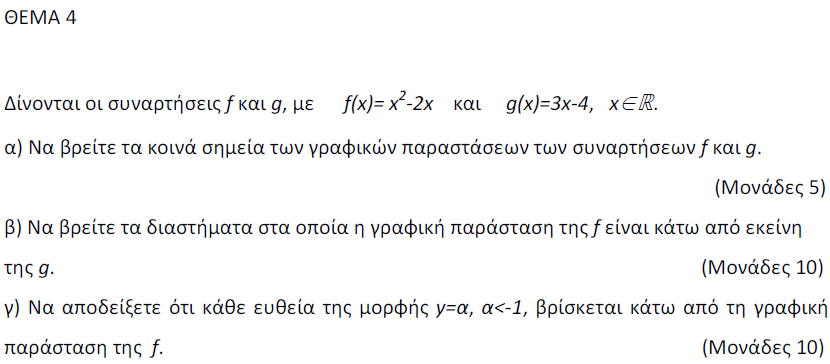
**32.Α116**



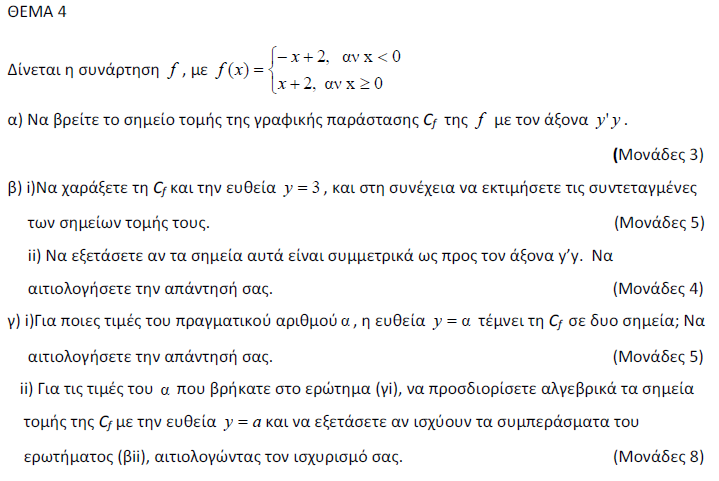
**33.Α120**



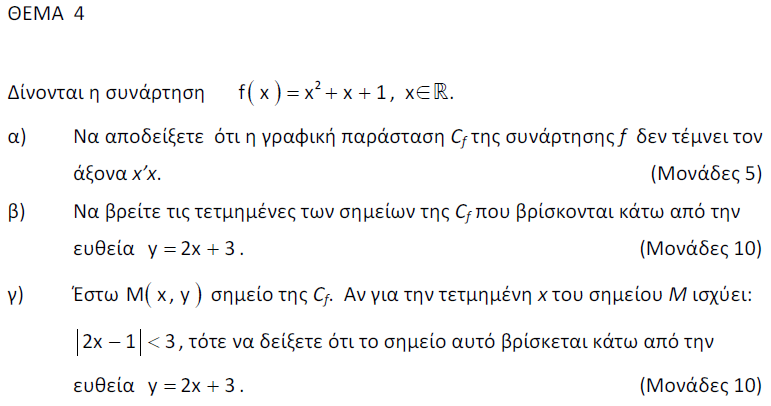
**34.Α124**



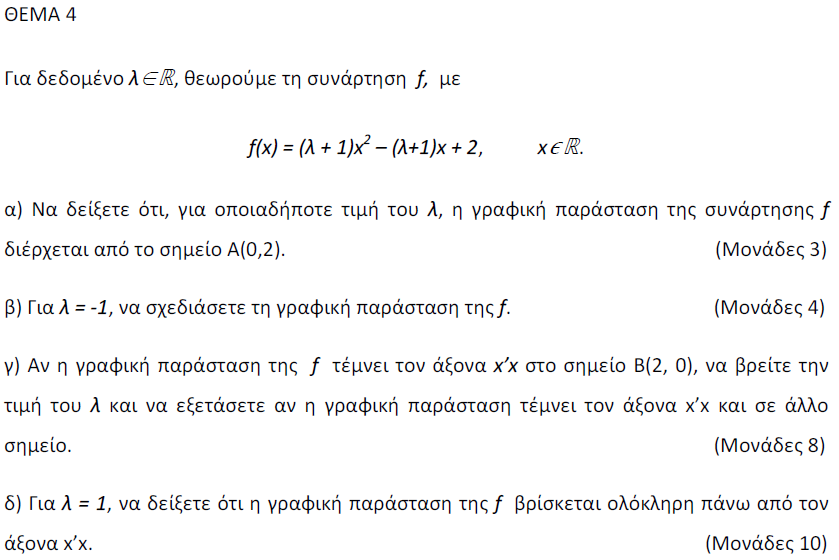
**35.A126**



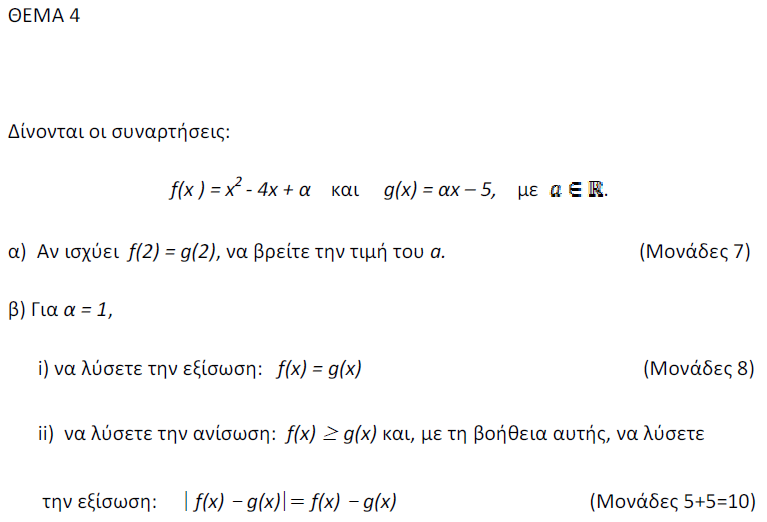
**36.Α127**



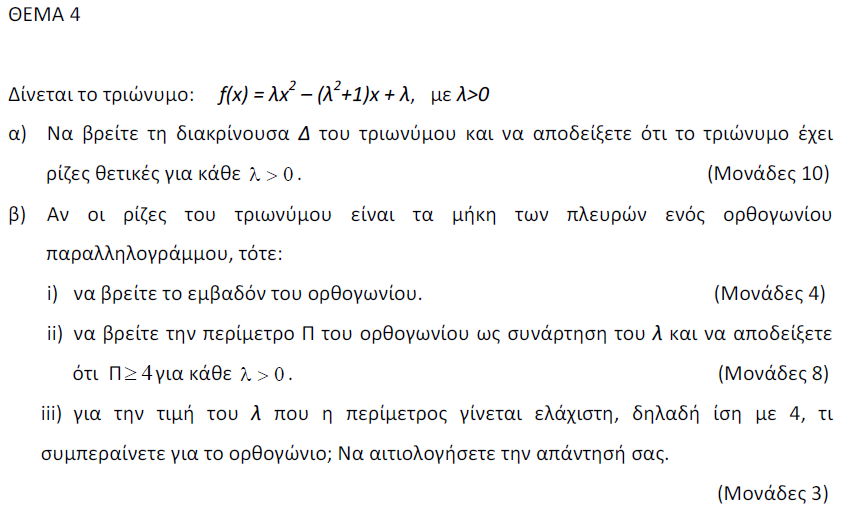
**37.A129**



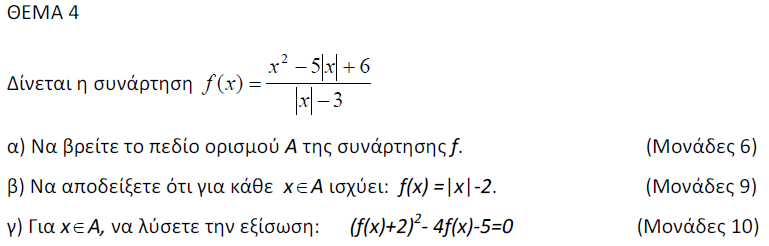
**38.Α131**



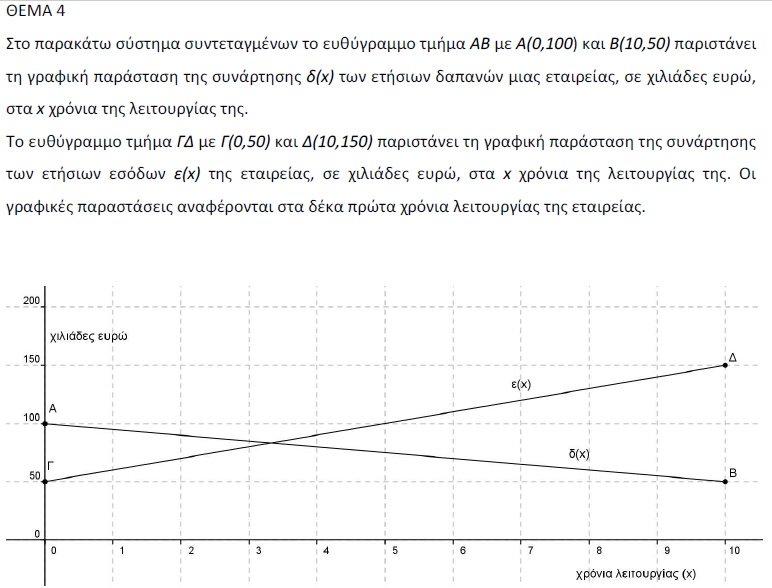
**39.A132**

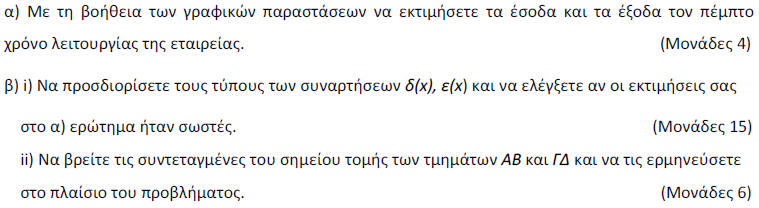


**40.Α135**

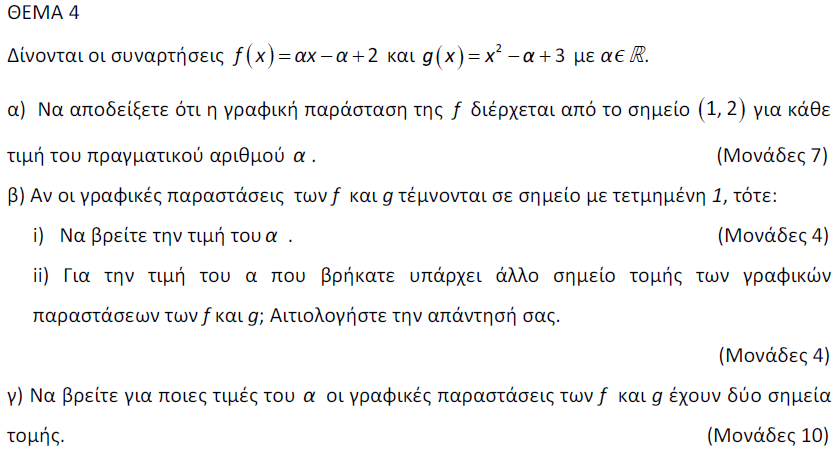


**41.Α137**

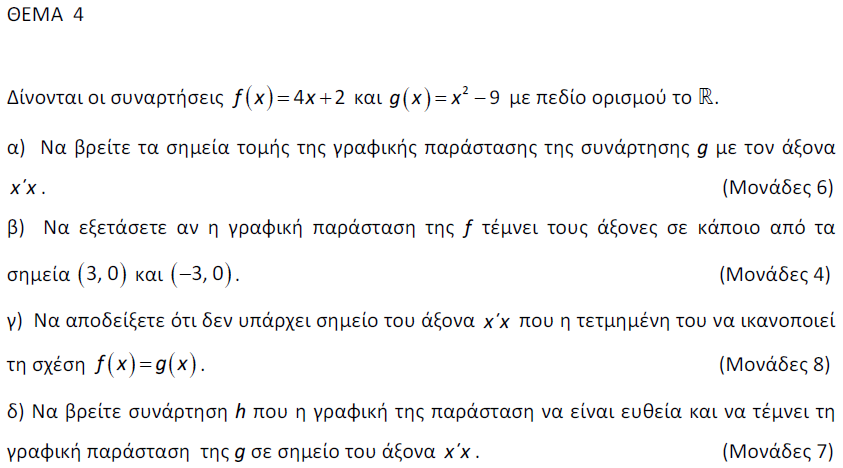




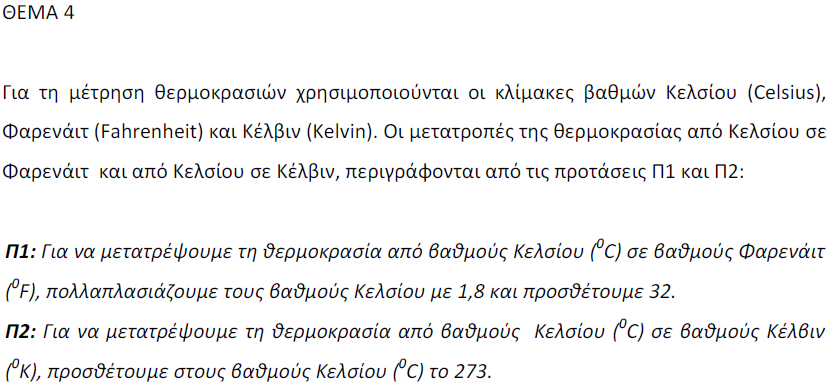
**42.Α138**

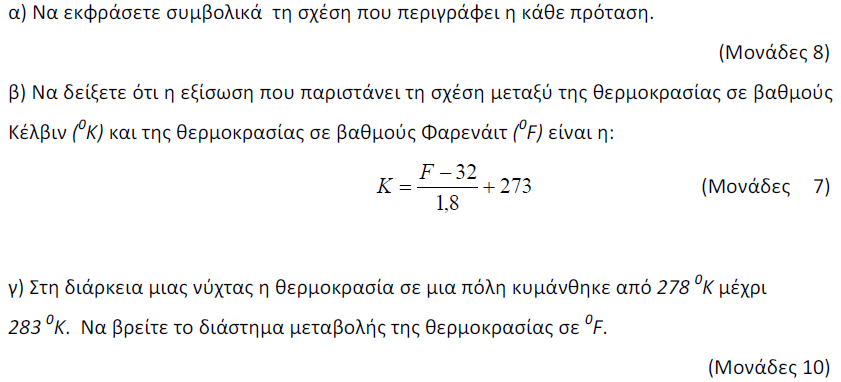


**43.Α142**

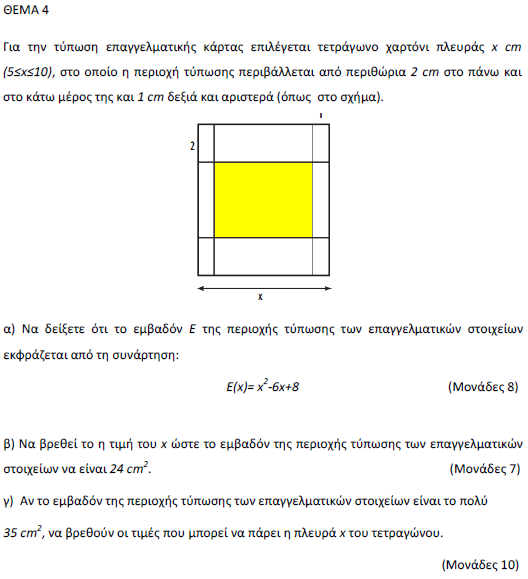


**44.A150**

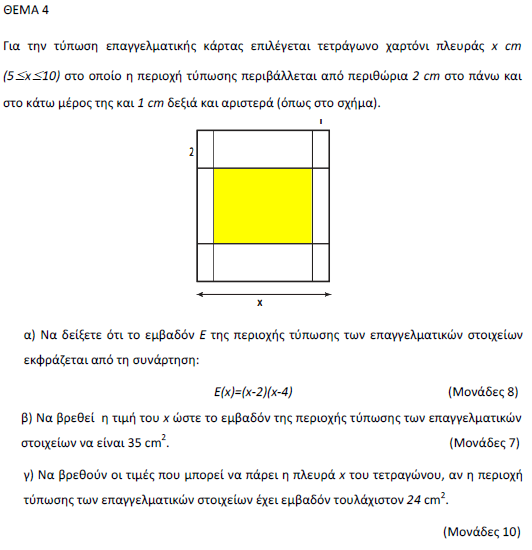




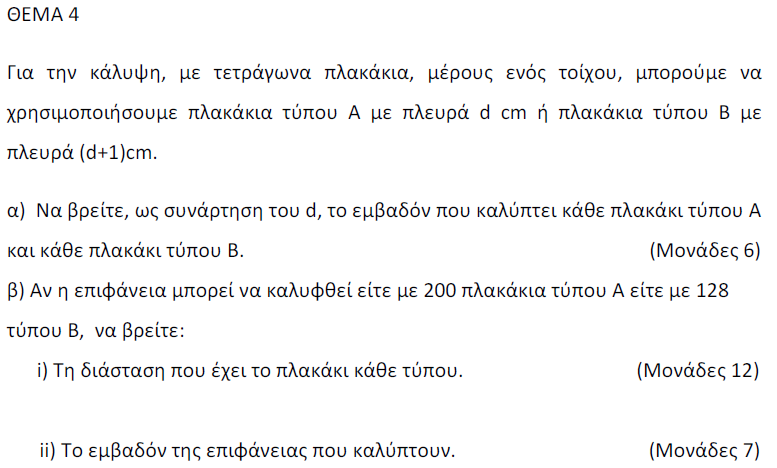
**45.Α151**



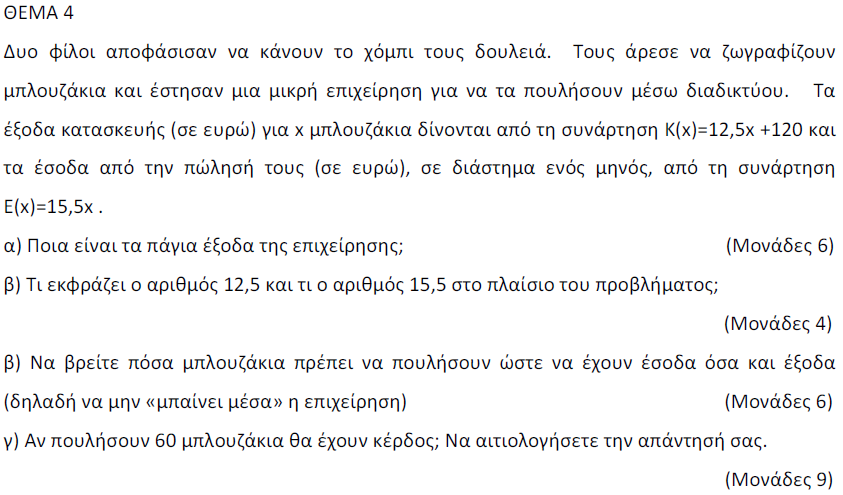
**46.Α152**



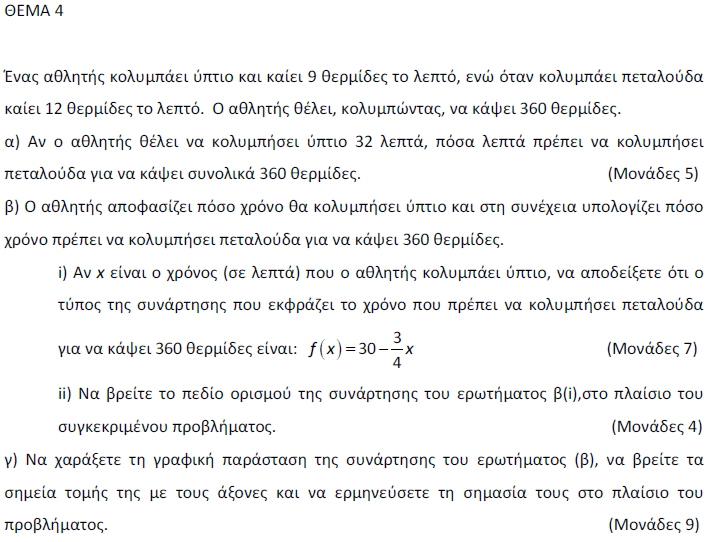
**47.Α154**



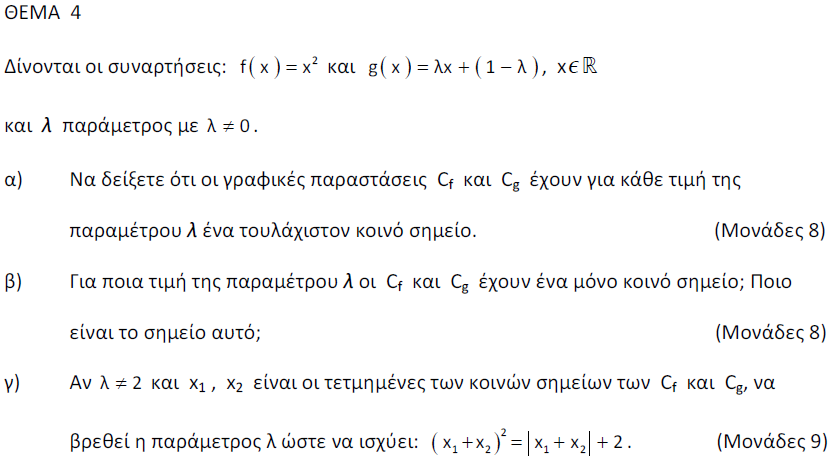
**48.Α158**



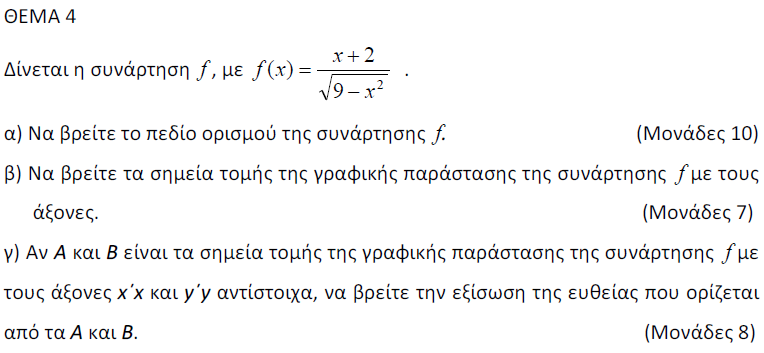
**49.Α159**

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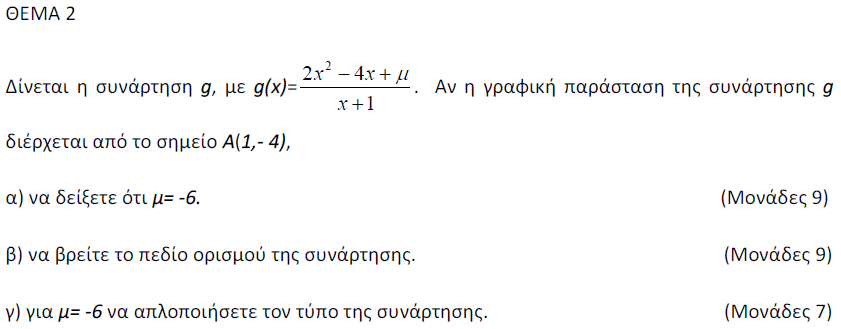
**50.Α160**



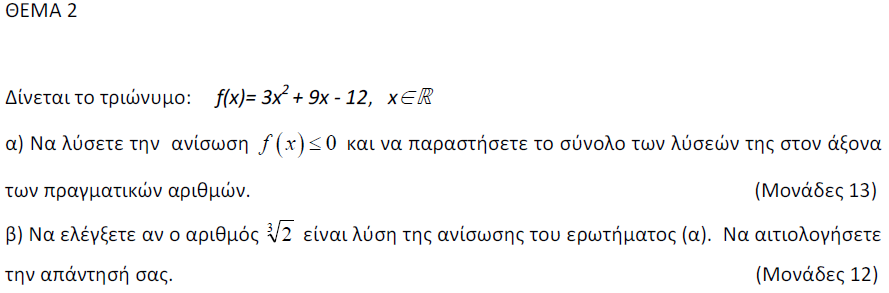
**51.Α165**



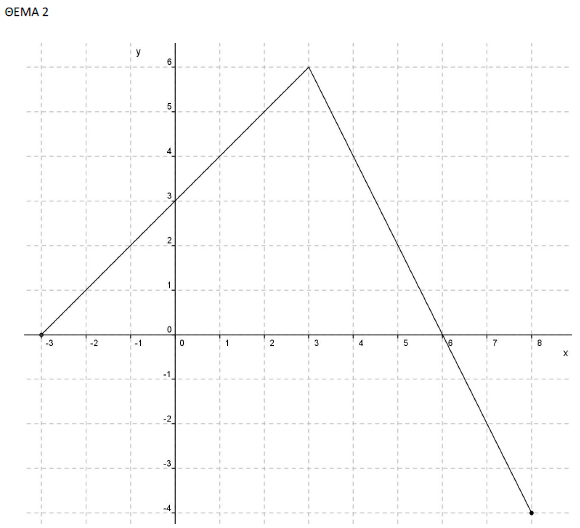
**52.Α196**

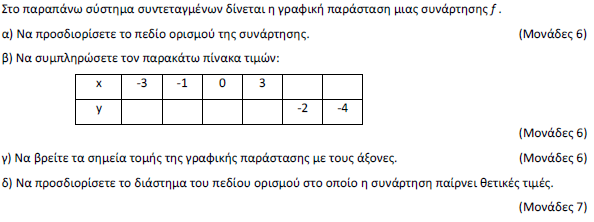


**53.A197**

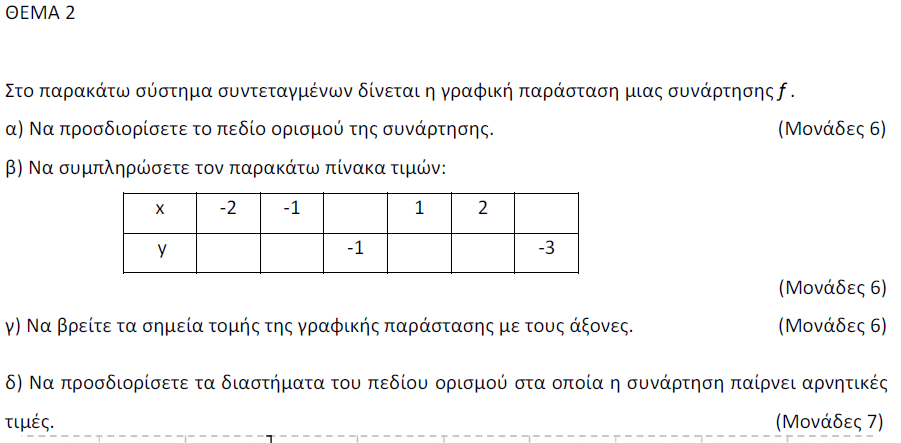


**54.Α198**

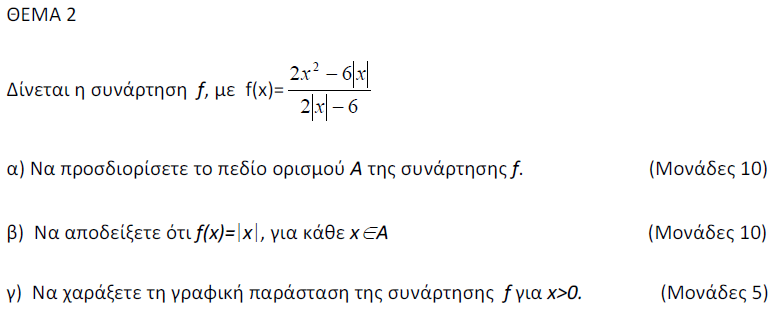




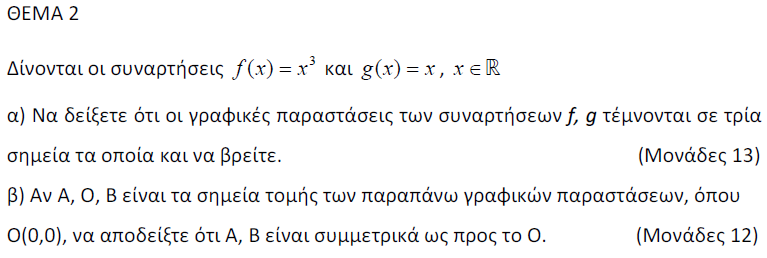
**55.A199**



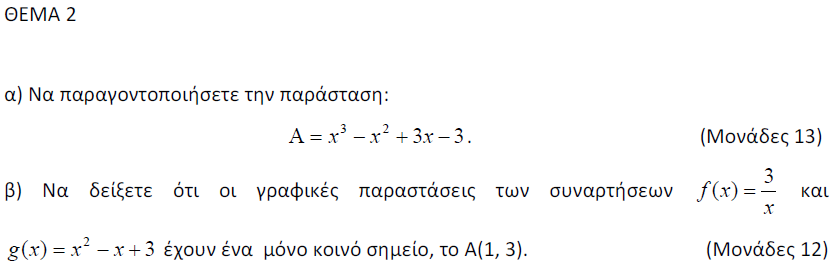
**56.A201**



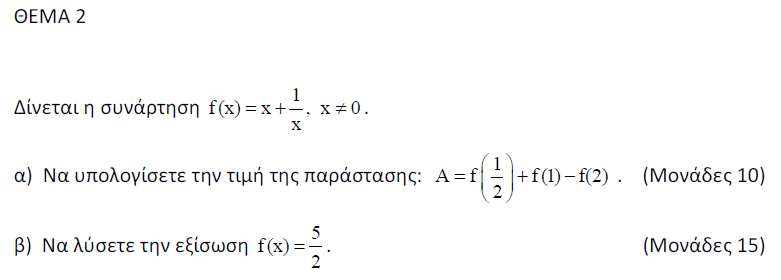
**57.Α202**



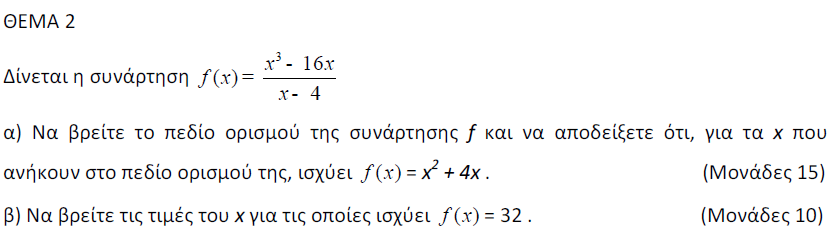
**58.Α204**



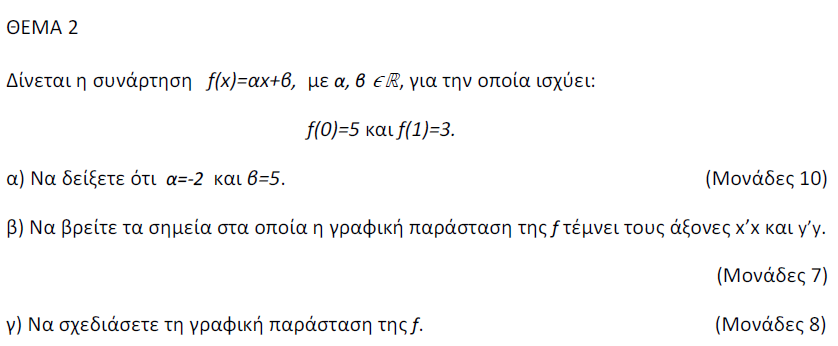
**59.Α206**



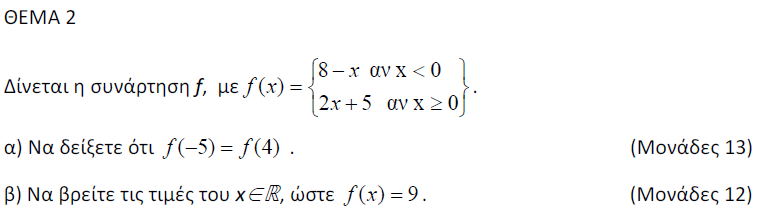
**60.Α208**



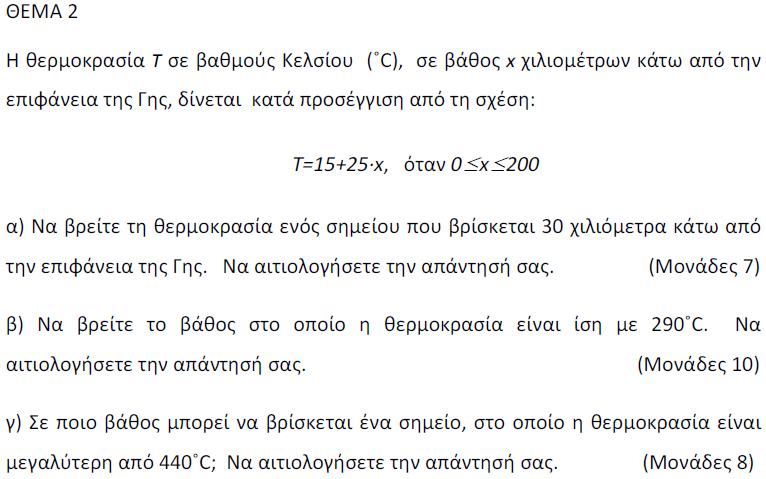
**61.Α209**



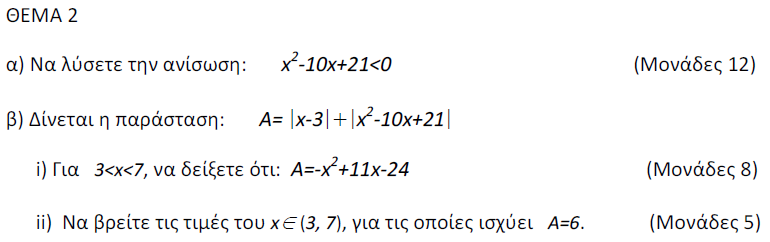
**62.A213**



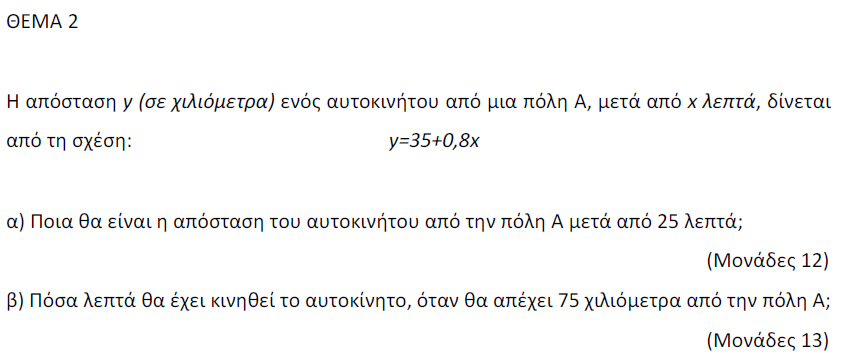
**63.Α217**



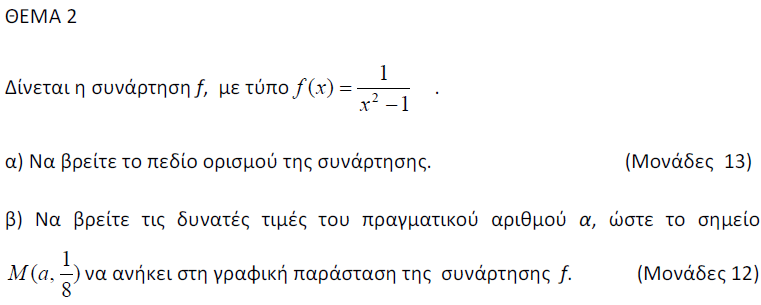
**64.Α218**



**65.Α230**



**66.Α234**



**67.Α**

