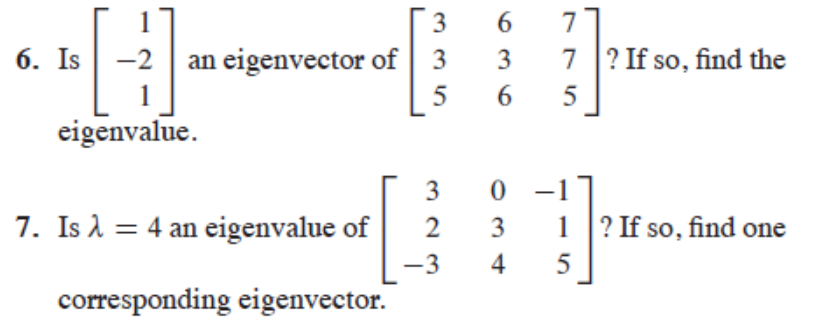
**2021/2022 Semester 2: 1004 Tutorial 7**

**Q1 Lay/Ch5.1/pg271/Ex6+7**

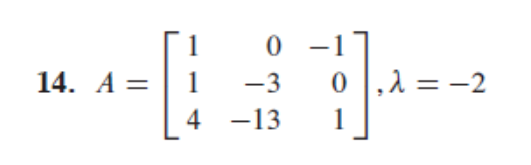


**Q2: Find the eigenvalues & eigenvectors of**



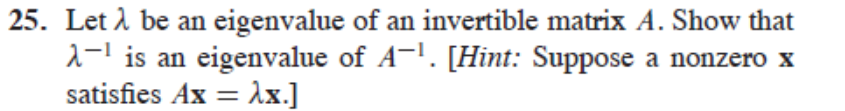
**Q3) Lay/Ch5/pg272/**

**Find an eigen -basis of the -2 eigenspace of A.**

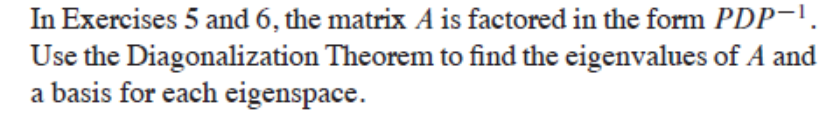


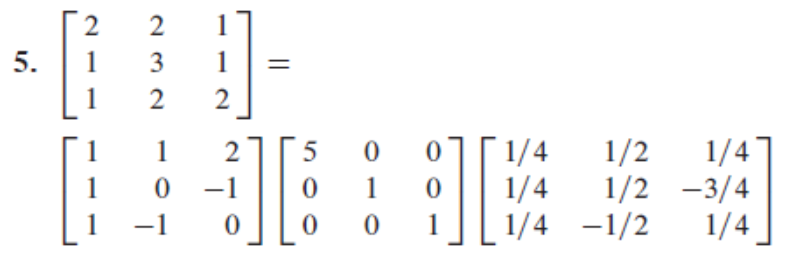
**Q4: If {u,v} are linearly independent eigenvectors, then they must correspond to distinct eigenvalues.**

**Q5) Lay/ch5.1/pg 274/Q5**

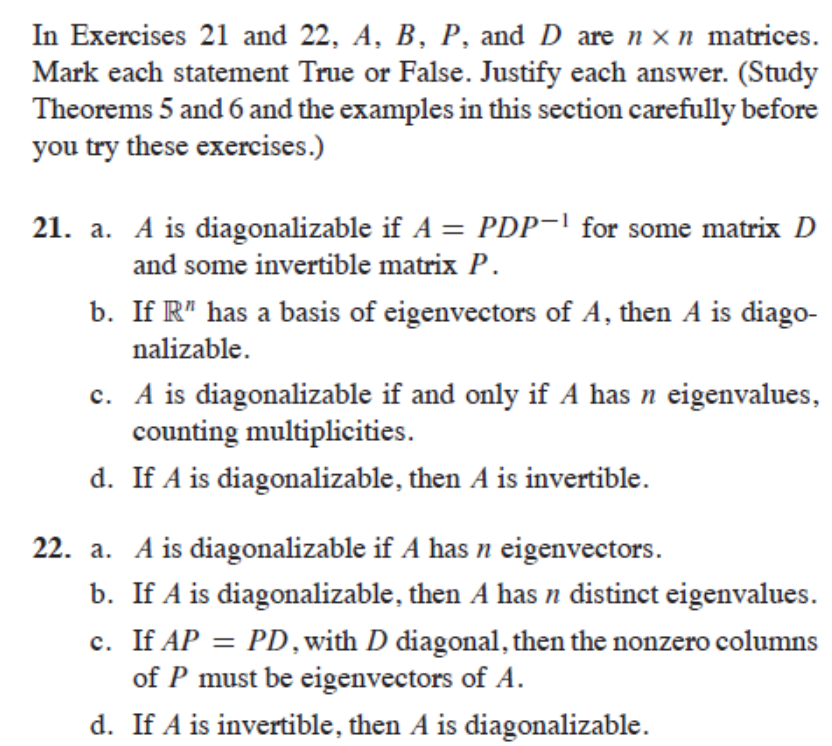


**Q6) Lay/Ch5.3/pg288**

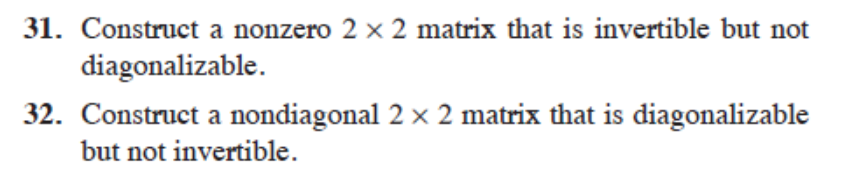




**Q7) Lay/Ch5.3/pg 289/Q21+23**

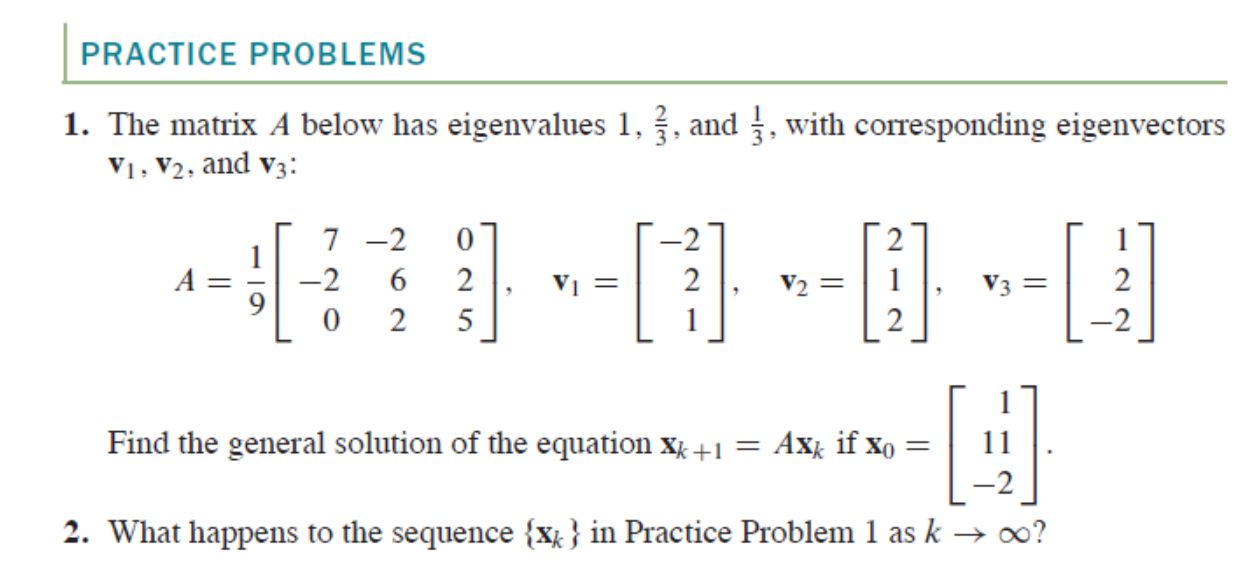


Q8) Lay./Ch5.3/pg289/Q31+32



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Q9) Lay/ch5.6/pg 311/Practise



Q10:

