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**ASE2010 Applied linear algebra: Homework #5**

- 1) *VMLS Exercises.*
  - a) **12.1** *Approximating a vector as a multiple of another one.*
  - b) **12.4** *Weighted least squares.*
  - c) **12.5** *Approximate right inverse.*
  - d) **12.8** *Least squares and QR factorization.*
  - e) **12.13** *Iterative method for least squares problem.*
  - f) **13.3** *Moore's law.*
  - g) **13.5** *Polynomial model with multiple features.*
  - h) **13.7** *Data matrix in auto-regressive time series model.*
  - i) **13.8** *Fitting an input-output convolution system.*