

MA 35100

HW # 6 - due Wednesday, October 16

1. Page 122: **T/F** Questions: # 2.10, 2.11, 2.13.
2. Page 123: # 2.32(b), 2.35(a)(e), 2.36, 2.37(a), 2.38(c).
3. Page 143: **T/F** Questions: # 2.25, 2.27.
4. Page 144: # 2.66(a), 2.80.
5. Find a basis and the dimension of the subspace W , where

$$W = \text{Span} \left\{ (1+x), (2+x), (4+x), (x^2-1) \right\}.$$