MATH 6670, HOMEWORK #11

1. (Some practice with twists of the tautological bundle and odds and ends on embeddings.)
  (a) [EH III-46]
  (b) [EH III-47]
  (c) [EH III.48]
  (d) [H II.7.4(a)]
  (e) [H II.7.4(b)]

2. [H II.6.2 (a)–(d)] (Varieties in Projective Space)

3. [H II.6.5 (a)–(d)] (Quadric Hypersurfaces)
Rem. For some additional context and some discussion of generalizations, see [EH III.2.8].

4. [H II.6.9 (a)–(b)] (Singular curves)

5. [H II.6.11 (a)–(d)] (The Grothendieck Group of a Nonsingular Curve.)