For the final exam you should know all items from review sheet for midterm I omitting all proofs plus the following list:

2.5 - Proposition 13, Theorem 15, Borel-Cantelli Lemma (proof), Problems: 24, 25, 26
2.6 – Lemma 16, Theorem 17, Theorem 18 Problems: 30, 33
2.7 – Proposition 19, Proposition 20, Proposition 21, Proposition 22 Problems: 34, 37, 38, 39, 40, 44, 46
3.1 - Proposition 1, Proposition 2, Proposition 4, Proposition 5, Theorem 6, Proposition 7, Proposition 8 Problems: 4, 5, 8, 9
3.2 – Proposition 9, The simple approximation Lemma, The simple approximation Theorem Problems: 14, 16, 17, 18, 21, 22, 23, 24
3.3 – Egoroff’s theorem, Luzin’s theorem Problems: 25, 27, 31
4.1 – Problems: 8
4.2 – Lemma 1, Proposition 2, Theorem 3, Example page 74, Theorem 4, Theorem 5, Corollary 6, Corollary 7, Proposition 8, Bounded Convergence Theorem (proof), Problems: 12, 13, 16
4.3 – Chebyshev’s inequality (proof), Proposition 9, Theorem 10, Theorem 11, Fatou’s Lemma (proof), Monotone Convergence Theorem, Corollary 12, Proposition 13, Beppo Levi Lemma, Problems: 17, 20, 22, 23, 25, 26, 27
4.4 – Proposition 14, proposition 15, Proposition 16, Theorem 17, Corollary 18, Lebesgue Dominated Convergence Theorem Problems: 29, 30, 33, 34, 35, 36
4.5 – Theorem 20, Theorem 21 Problems: 37
4.6 – Proposition 23, Proposition 25, Vitali’s convergence theorem (proof), Theorem 26 Problems: 46, 47, 49, 52
5.2 – Proposition 3, theorem 4 (proof) Problems: 7, 13
5.3 – lemma 6, lemma 7, theorem 8 Problems: 16, 17
6.1 – theorem 1, proposition 2 (proof), Problems: 2, 3
6.2 – Vitali’s covering lemma, Lemma 3 (proof), Lebesgue’s theorem, Problems: 9, 10, 12, 12, 16, 19
6.3 – Lemma 5, Jordan’s theorem (proof), Corollary 6 Problems: 25, 33, 36
6.4 – Proposition 8 (proof), Theorem 9, Problems: 39, 41, 45
6.5- theorem 10, Theorem 11, corollary 12, Lemma 13, Theorem 14
    Problems: 51, 52, 53, 55, 56, 58
9.2- proposition 2, proposition 3, proposition 4, proposition 6,
    Problems: 5, 9, 10, 14, 15, 21, 22
9.3- the epsilon-delta criterion for continuity (proof), Proposition 8, proposition 9
    Problems: 32, 33, 35
9.4 – proposition 10, proposition 11, theorem 12, cantor intersection thm (proof),
    Problems: 38, 42, 43, 49
9.5 Proposition 15, theorem 16, proposition 17 (proof), theorem 20 proposition 21, theorems 22, lebesgue covering lemma.
    Problems: 55, 9, 60, 62, 68, 70, 72