(1) Section 7.1, problem 1 (justify please!)
(2) Section 7.1, problem 2b
(3) Section 7.1, problem 3b
(4) Section 7.1, problem 4
(5) Section 7.1, problem 5
(6) Section 7.2, problem 2
(7) Section 7.2, problem 5b
(8) Section 7.2, problem 10
(9) Section 7.2, problem 14
(10) Section 7.2, problem 17

Wikipedia says: Marie Ennemond Camille Jordan (January 5, 1838 – January 22, 1922) was a French mathematician, known both for his foundational work in group theory and for his influential Cours d’analyse. He was born in Lyon and educated at the Ecole polytechnique. He was an engineer by profession; later in life he taught at the Ecole polytechnique and the Collège de France, where he had a reputation for eccentric choices of notation.