Homework due Friday, November 3, at 3:00 pm.

A. Prove that any integer $m > 23$ can be written as $5x+7y$ for some non-negative integers $x$ and $y$.

(Hint: $24 = 5 \times 2 + 7 \times 2$, $25 = 5 \times 5 + 7 \times 0$, $26 = 5 \times 1 + 7 \times 3$, $27 = 5 \times 4 + 7 \times 1$, $28 = 5 \times 0 + 7 \times 4$.)

B. Eccles, Problems I which begin on page 53, problems # 21, 25.

C. Eccles, Problems II which begin on page 115, problems #1, 2, 3.