

# Øving 7

MA1301 Talteori

Veke 41

From the book:

3.41, 3.42, 3.44 (p.79)

3.54, 3.55 (p.82)

4.22 (p.124)

Let  $p$  and  $q$  be different primes. Find  $x$ :

$$x \equiv p^{q-1} + q^{p-1} \pmod{pq}.$$