

Name :

**Math 170 – 3 –**

Write each even number less than 32 as a sum of two primes.

We say that a set of numbers form an arithmetical progression of primes if the numbers are of the form  $A + jB$  where  $j = 0, \dots, k - 1$  and they are all primes. Write down an arithmetical progression of length 3 of primes. State Dirichlet's theorem. State the Green-Tao theorem.

Write down 3 pairs of twin primes?