

Due at beginning of class Monday, April 27

This should be your own work (no other people or software (including AI)).

Questions about quiz should be directed to Prof. Arnold

Short explanations are helpful.

Name: \_\_\_\_\_

1. Let  $\phi(n)$  be Euler's totient function (Euler's  $\phi$ ).

(a) Find  $\phi(8)$ .

(b) Find  $\phi(72)$ .

(c) Find  $\phi(360)$ .

(d) Find  $\phi(2520)$ .