

MATH 302

QUIZ 4
FEBRUARY 25, 2005

NAME _____

Put your answers in the space provided.

1. Prove: If p is a prime, then $p|\tau(p)\sigma(p) - 2$.

2. Find all solutions to $\tau(n) = 18$. CIRCLE YOUR ANSWER.

3. Find all solutions to $\sigma(n) = 28$