

Homework 1 (7 points)

Show work or no credit!

DUE DATE: _____

1. (a). Draw the factor tree of 405. Then write the prime factorization of 405.

(b). Find the number with the given prime factors: $2^3 \cdot 3 \cdot 5^2 \cdot 7$

(c). I am a composite number between 41 and 50. The sum of my prime factors

is 14. What number am I? (SHOW WORK)

(b). I am a composite number between 25 and 35. The sum of my prime factors

is 19. What number am I.

(d). For each of the following numbers, write the prime factorization in exponential form: 28, 30, 35, 36, 37, 42, 48, 54, 120, 125, 250.

2. Read MATH FACTS pages 159 – 160. Create a similar table of terms but give two examples per term different from those shown in your book.

WORD	MATHEMATICAL MEANING	EXAMPLES

