MATH 221: BASIC CONCEPTS OF ELEMENTARY MATHEMATICS I

Quiz #10

Points: Each problem is worth 4 points.

1. Which one of the following is false?

   (a) 6 is a factor of 30 (b) 6 is a divisor of 30

   (c) 30 is divisible by 6 (d) 6 is a multiple of 30

2. What is the least natural number divisible by each natural number less than or equal to 10?

   (a) $2^2 \cdot 3^2 \cdot 5 \cdot 7$ (b) $2^3 \cdot 3^3 \cdot 5^2 \cdot 7$ (c) $2^2 \cdot 3^3 \cdot 5^2 \cdot 7$ (d) $2^3 \cdot 3^2 \cdot 5 \cdot 7$