Quiz # 2 for Dr. Z.'s Number Theory Course for Oct. 3, 2013

NAME: (print!) _____

E-MAIL ADDRESS: (print!) _____

1. (5 points) Use any method to find the proudct-of-prime-powers representation of

$$(3^3 \cdot 5^{98} \cdot 11^{14} \cdot 43) \cdot (3^2 \cdot 5^3 \cdot 11^{12} \cdot 13^2 \cdot 43^2) \quad .$$

2. (5 points) Use the clever way to find $Div(7007)$.