

Math 085 - Quiz 9

October 3, 2013

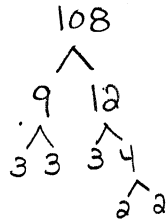
Name key

Score _____

Show all your work to receive full credit. Supply explanations when necessary.
NO CALCULATORS ARE ALLOWED ON THIS QUIZ!

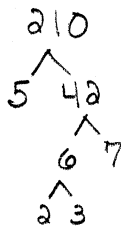
1. (3 points) Find the prime factorization of each number.

(a) 108



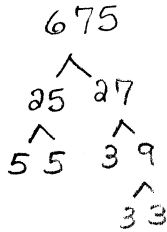
$$108 = 2^3 \cdot 3^3$$

(b) 210



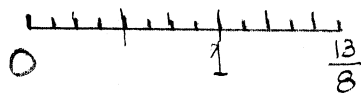
$$210 = 2 \cdot 3 \cdot 5 \cdot 7$$

(c) 675



$$675 = 3^3 \cdot 5^3$$

2. (1 point) Use a ruler to draw a line segment whose length is $\frac{13}{8}$ in.



3. (1 point) Draw a rectangle and shade two-fifths of it.



$\frac{2}{5}$ IS SHADED.