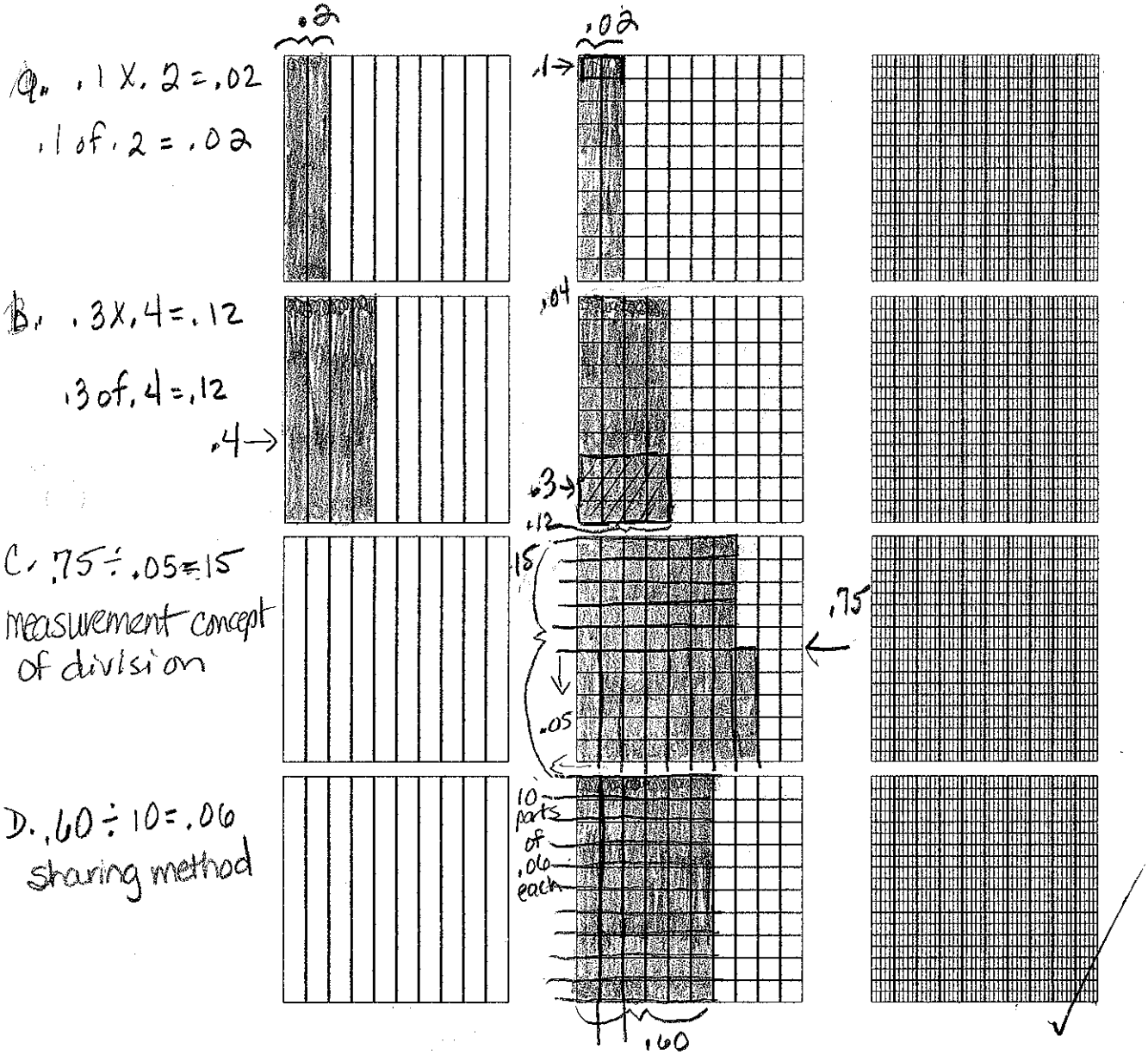
Karen Davis
MATH 230001
Assignment #1

G.2 #4

#4. Use decimal squares to illustrate computations.

a) Shading 2/10 of a 1x10 square equals 2 shaded parts of a 10x10 square. Identifying 1/10 of the shaded area equals 2 shaded parts out of 100, $\frac{2}{100}$, or .02.

b) Four shaded parts of a 1x10 square equal 4 shaded parts on a 10x10 square, so .4 = .04. Identifying 3/10 of the shaded area equals 12 shaded parts out of 100, $\frac{12}{100}$, or .12



c) Dividing a decimal by another decimal, I used the measurement concept to divide $\frac{75}{100}$ shaded squares into units of $\frac{5}{100}$. I was able to identify 15 such units, so .75 ÷ .05 = 15.

d) Dividing a decimal by a whole number, I used the sharing method and able to identify 10 equal parts of 60 squares shaded out of 100, with each part having $\frac{6}{100}$, so .60 ÷ 10 = .06