Math 085 - Quiz 15

November 21, 2013

Name key Score

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

1. (2 points) Solve for x.

(a)
$$2(x+7.3) = 6x - 0.83$$

 $2 \times + 14.6 = 6 \times -0.83$
 $-2 \times -2 \times$
 $-2 \times -2 \times$
(b) $9(x-4) + 13 = 4x - 23$

$$\frac{4}{4} = \frac{4}{4}$$

$$3.8575 = X$$

$$4) \frac{1}{13}$$

$$9x-36+13=4x-23$$

$$\begin{array}{rcl}
9_{\times} - 23 &= 4_{\times} - 23 \\
\underline{-4_{\times}} & -4_{\times} \\
\hline
5_{\times} - 23 &= -23 \\
\hline
\end{array}$$

2. (1 point) Joe's last four electric bills were for \$65.10, \$85.45, \$57.20, and \$62.55. Find the average amount of these bills.

3. (2 points) Solve for x.

(a)
$$\frac{8}{9} = \frac{32}{x}$$

$$\frac{8x}{8} = \frac{288}{8}$$

(b)
$$\frac{x}{8} = \frac{9}{6}$$

$$\frac{6x = 7a}{6}$$