Name: _____ Date: _____

Section 8.1 Extra Practice

1. Solve each equation.

a) $3\boldsymbol{x} = \boldsymbol{\frac{3}{4}}$ **b)** $\frac{c}{4} = -\frac{2}{3}$

2. Solve each equation.

a) $3x = 0.6$ **b)** $2x = \frac{5}{2}$

3. Solve each equation algebraically.

a) $3\boldsymbol{x} = \boldsymbol{\frac{2}{5}}$ **b)** $\frac{m}{5} = -\frac{2}{3}$ **c)** $-4.5x = 1.35$

4. Solve each equation. Show a check of each solution.

a) $-4x = -4.96$ **b)** $\frac{x}{0.7} = -2.1$ **c)** $-\frac{5}{n} = \frac{1}{3}$

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d) $\frac{x}{2.3} = 7.4$ **e)** $4m = -\frac{10}{3}$ **f)** $\frac{1}{-6} = -\frac{14}{d}$

5. Solve each problem.

a) Carol gave a 15% deposit on a diamond bracelet. The deposit was $\$73.50$. What was the cost of the bracelet?

b) Eric earned $\frac{2}{5}$ of the profits of the canteen on the weekend. His earnings were $\$620$. What was the total profit earned in the canteen?

c) The density of an object is determined by the formula $d = \frac{m}{v}$, where m is the mass in grams, and v is the volume in litres. What volume does the object occupy if an $8.58g$ object has a density of $3.3\ g/L$?

d) Jamal received a 20% discount when he purchased his computer. He paid $\$920$. What was the regular price of the computer?