## **Section 8.2 Extra Practice**

**1.** Solve each equation. Use a method of your choice.

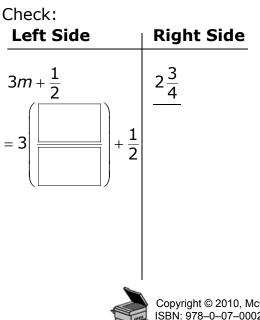
**a)** 
$$2x + \frac{1}{4} = \frac{1}{2}$$
 **b)**  $\frac{m}{2.5} + 0.5 = 0.8$ 

**2.** Solve and check the equation.

$$3m + \frac{1}{2} = 2\frac{3}{4}$$

Write the mixed number as an improper fraction.

Isolate the variable.



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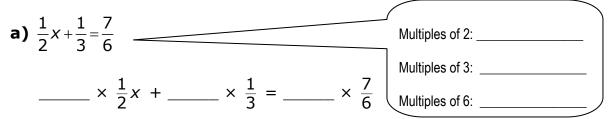
## BLM 8-6

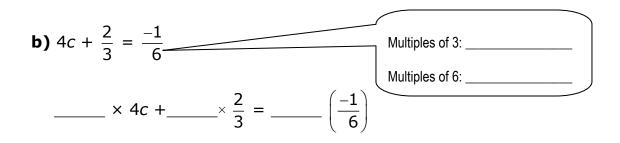
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(continued)

3. Solve by multiplying by a common multiple. Leave your answer as a fraction.







BLM 8–6 (continued)

**4.** Solve each equation.

**a)** 
$$\frac{n}{-0.6} + 0.23 = 1.93$$
 **b)**  $0.2x + 2.4 = -9.2$ 

- **5.** Create an equation for each of the following. Then, solve your equation.
  - **a)** When a number is tripled, then increased by 13, the result is 82. Find the number.

*Variable:* Let \_\_\_\_\_ = the number

Equation: \_\_\_\_\_

Solve:

b) The cost of a banquet at Nick's Catering is \$215 plus \$27.50 per person. If the total cost of a banquet was \$2827.50, how many people were invited?

Let p = the number of people attending.

Total banquet cost = initial fee + cost per person

