Practice 2-1

Solving Two-Step Equations

Solve each equation.

1. $4r + 6 = 14$

2. $9y - 11 = 7$

3. $\frac{m}{4} + 6 = 3$

_____

_____

_____

4. $-\frac{k}{9} + 6 = -4$

5. $-\frac{4}{5}b - 6 = -14$

6. $-\frac{v}{7} + 8 = 19$

_____

_____

_____

7. $3.4t + 19.36 = -10.22$

8. $-\frac{n}{1.6} + 7.9 = 8.4$

9. $4.6b + 26.8 = 50.72$

_____

_____

_____

10. $-\frac{a}{8.06} + 7.02 = 18.4$

11. $-2.06d + 18 = -10.84$

12. $-\frac{e}{95} + 6 = 4$

_____

_____

_____

Write and solve an equation to answer each question.

13. Hugo received $100 for his birthday. He then saved $20 per week until he had a total of $460 to buy a printer. Use an equation to show how many weeks it took him to save the money.

_____

14. A health club charges a $50 initial fee plus $2 for each visit. Moselle has spent a total of $144 at the health club this year. Use an equation to find how many visits she has made.
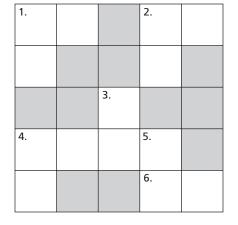
_____

Solve each equation to find the value of the variable. Write the answer in the puzzle. Do not include any negative signs or any decimal points.

ACROSS

1. $6n - 12 = 2.4$

2. $\frac{n}{3} + 4.6 = 21.6$

4. $x - 3 = 51.29$

6. $2z + 2 = 7.6$

DOWN

1. $\frac{j}{5} - 14 = -9$

2. $3x - 2 = 169$

3. $\frac{x}{4} + 1 = 19$

4. $\frac{x}{3} + 4 = 22$

5. $2x - 2 = 182$