Practice
4.05

Name: _____ Date: _____ Period: _____

Problems 1–3: Solve each equation. Show your thinking.

1. $2(x + 5) = 3x + 1$

2. $3y - 4 = 6 - 2y$

3. $3(n + 2) = 9(6 - n)$

4. Here is how Gabriela solved an equation. Circle Gabriela's mistake(s) and explain what she did wrong.

Gabriela

$12(5 + 2y) = 4y - (5 - 9y)$

$72 + 24y = 4y - 5 - 9y$

$72 + 24y = -5y - 5$

$24y = -5y - 77$

$29y = -77$

$y = -\frac{77}{29}$

Correctly solve the equation.

Problems 5–6: Solve each equation. Show your thinking.

5. $\frac{1}{9}(2m - 16) = \frac{1}{3}(2m + 4)$

6. $1.5(5 + 0.2y) = 0.4y - (0.6 - 0.9y)$

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7. What is the solution to the equation $4.1(x + 2) = 8.1x - 1.8$?

A. $x = 1.6$ **B.** $x = 2.5$ **C.** $x = 0.4$ **D.** $x = -0.3$

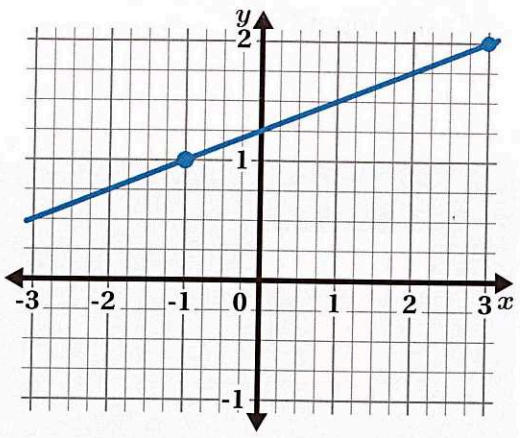
8. Complete the equation so that the solution is $n = 8$.

$-4\left(\frac{2}{5}n - 6.1\right) =$ _____

Spiral Review

9. Here is the graph of a linear equation. Select *all* the true statements about this line and its equation.

- ☐ **A.** One solution to the equation is the ordered pair (3, 2).
- ☐ **B.** One solution to the equation is the ordered pair (-1, 1).
- ☐ **C.** One solution to the equation is the ordered pair $\left(\frac{3}{2}, 1\right)$.
- ☐ **D.** There are only two solutions.
- ☐ **E.** The equation of the line is $y = \frac{1}{4}x + \frac{5}{4}$.



Problems 10–11: Evaluate each expression.

10. $8 + 5^2$

11. $(1 + 9)^3$

Reflection

1. Put a star next to a problem where you revised your thinking.

2. Use this space to ask a question or share something you're proud of.