Name _____

Generate Equivalent Expressions

Use properties of operations to write an equivalent expression by combining like terms.

1. $7h - 3h$

2. $5x + 7 + 2x$

3. $16 + 13p - 9p$

$$4h$$
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4. $y^2 + 13y - 8y$

5. $5(2h + 3) + 3h$

6. $12 + 18n + 7 - 14n$

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Use the Distributive Property to write an equivalent expression.

7. $2(9 + 5k)$

8. $5(3m + 2)$

9. $6(g + h)$

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10. $4d + 8$

11. $21p + 35q$

12. $18x + 9y$

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Problem Solving `Real World`

13. The expression $15n + 12n + 100$ represents the total cost in dollars for skis, boots, and a lesson for n skiers. Simplify the expression $15n + 12n + 100$. Then find the total cost for 8 skiers.

14. Casey has n nickels. Megan has 4 times as many nickels as Casey has. Write an expression for the total number of nickels Casey and Megan have. Then simplify the expression.

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