Name: _____ **Hour:**_____

Combine like terms.

1. $6p^2 + 3p^2$

2. $9x - 6x$

3. $a^2 + b^2 + 2a^2 + 5b^2$

4. $7h^2 + 3 - 2h^2 + 4$

5. $3x + 3y + x + y + z$

6. $5b + 5b + 6b^2 - 10 - 3b$

7. $2p + 22q^2 - p$

8. $x^2 + 3x^2 - 4^2$

9. $n^4 + n^3 + 3n - n - n^3$

10. $4a + 4b + 2 - 2a + 5b - 1$

11. $32m^2 + 14n^2 - 12m^2 + 5n - 3$

12. $2h^2 + 3g - 2h^2 + 2^2 - 3 + 4g$

13. $8k^2 + 4k - 3k^2 - 3^2 - k + 5$

14. $10x^3 + 5y^2 + 2xy - 4y^2 + 4xy - x^3$

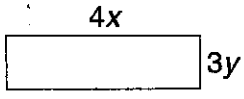
15. $3a + 2b^2 + 6c + a - 2c + b^2 + c$

16. $12x^4 + 6x^2 + 5x^3 - x^2 + 2xy - 8x^4$

17. $9p^6 + q^2 + 6p + 5q^2 + 5p - 5q^2$

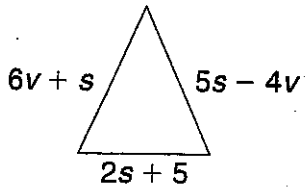
18. $h^2 + 4h + 4h^2 - h + 4 + h^2 + 7h$

19. Find the perimeter of the rectangle. Combine like terms.



Name: _____ **Hour:** _____

20. Write an expression for the perimeter of the figure at the right. Then simplify the expression.



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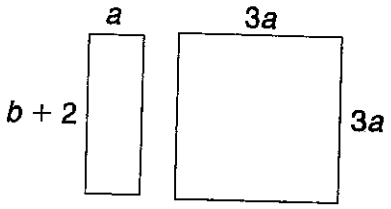
21. Write an expression for the combined perimeters of the figures at the right. Then simplify the expression.



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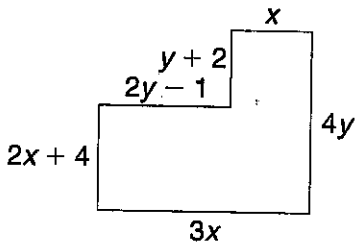
22. Write and simplify an expression for the perimeter of the figure to the right.



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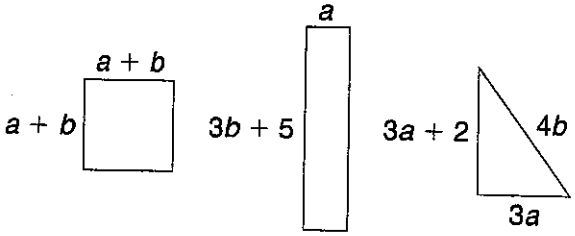
23. Write an expression to find the combined perimeters of the figures to the right. Then simplify the expression.



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24. Jake scored x points in the first basketball game. He scored 2 fewer points in the next game. His teammate, Jack, scored $2y$ points in the first game and 4 more than twice as many points in the next game. Write and simplify an expression for the total number of points scored by both players.

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