

Test Review: Multi-Step Equations

Score _____ Per _____

Answer the following questions about the given expression:

$$2x + 7 - y - 4$$

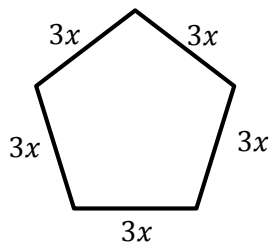
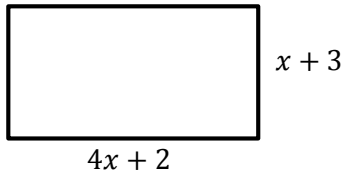
1. How many terms are in the expression? _____ 2. What are the constants? _____
 3. What are the coefficients? _____ 4. What are the variables? _____

Simplify.

5. $10 - 5(9x - 4)$ 6. $4(x + 8) - 5(2x - 1)$

Find the value of x so that the polygons have the same perimeter.

7.



Solve each equation. Show all work, and

8. $6 - x = -15$

check your answer.

9. $\frac{2}{3}x - 5 = -11$

10. $-\frac{y+4}{8} = 3$

11. $3x - 7 = 5x + 9$

12. $3(7m - 1) = 12m + 3(3m + 5)$

13. $2b + 8b - 14 = 6(-5b - 2) - 2$

14. $5 - (2x - 8) = 6x - 4(2x - 3) + 1$

15. $2(3y + 7) - 4 = 6(2y + 4) + 2(y + 1)$