

Find the pattern and fill in the blanks

A. 5, 6, 4, 7, 3, 8,

_____, _____, _____, _____

B. 1, 3, 1, 2, 6, 4, 5, 15, 13, 14

_____, _____, _____

Use the Distributive Property to simplify each expression.

1. $4(2x - 1) - 3(5x - 2)$

2. $\frac{2}{3}(9k + 12) - \frac{3}{4}(12k - 8) + 7k$

3. $-7 + 4(3g + 2) + 7(2g - 1) - 9g$

4. $9(2t + 4) - 5(3t - 5)$

5. $-(5r - 7) + 8(11r + 1)$

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

7. $5(2k + 7) - 3(2k - 1) + 4k$

8. $-11 + 5(2g + 7) + 3(2g - 5) - 13g$

9. $9(3t + 5) - 5(7t - 2)$

10. $-(7r - 2) + 3(3r + 1)$

11. $3(8x - 1) - 5(2x + 3)$

12. $5(2k + 3) - 7(2k - 1) + 2k$

13. $\frac{2}{5}(10k + 25) - \frac{3}{4}(12k - 8) + 2k$

Order of Operation

14. $\left(\frac{1}{3}\right)^2 - \left[\frac{2}{3} + \frac{1}{5} \div 2 \cdot \frac{5}{6} - \frac{3}{4}\right]$

15. $\left(\frac{8}{9} - \frac{2}{3}\right) \div \frac{4}{9} - \frac{1}{2} \cdot \frac{1}{5}$