

Practice Expanding Linear Expressions #2



Expand each expression using the distributive property.

1. $5(3a + 7)$

$$15a + 35$$

2. $9(2p + 3)$

$$18p + 27$$

3. $3(3f - 8)$

$$9f - 24$$

4. $7(4x - 7)$

$$28x - 49$$

5. $-6(6q + 5)$

$$-36q - 30$$

6. $4(8u + 9)$

$$32u + 36$$

7. $-8(7m + 11)$

$$-56m - 88$$

8. $2(5j - 3k - 2)$

$$10j - 6k - 4$$

9. $-10(3x + 2y - 4)$

$$-30x - 20y + 40$$

10. $3(4g + 8h - 11)$

$$12g + 24h - 33$$

11. $4(6a + 1.5b + 7)$

$$24a + 6b + 28$$

12. $-6\left(5c - 7d - \frac{1}{3}\right)$

$$-30c + 42d + 2$$

13. $11(4.5x + 5y - 10)$

$$49.5x + 55y - 110$$

14. $9\left(8f - \frac{2}{3}g - \frac{4}{9}\right)$

$$72f - 6g - 4$$

15. $-7(2.6j - 8.3k + 9)$

$$-18.2j + 58.1k - 63$$

16. $-8\left(8m - 6n + \frac{1}{8}\right)$

$$-64m + 48n - 1$$

17. $5(12w - 0.18x - 9.3)$

$$60w - 0.9x - 46.5$$

18. $12\left(9v + \frac{1}{4}w + 12\right)$

$$108v + 3w + 144$$