Excellence

1. Expand and simplify $3(2x + 5)$.

2. Expand and simplify $4(3a - 2)$.

3. Expand and simplify $-2(y + 7)$.

4. Expand and simplify $-5(2m - 3)$.

5. Expand and simplify $6(p - q)$.

6. Expand and simplify $-3(4b + c)$.

7. Expand and simplify $2(3x - 4) + 5$.

8. Expand and simplify $7 - (2y + 3)$.

9. A student says $4(x + 6) = 4x$
Are they correct? Explain.

10. A student says $-3(a - 2) = -3a - 6$.
Are they correct? Explain.

11. Fill in the blank: $\square(x + 4) = 6x + 24$.

12. Fill in the blank: $-4(y - \square) =$

13. Which is greater: $3(2x + 1)$ or $6x + 1$? Explain.

14. Which does not belong: $2(x + 3)$, $2x + 6$, $3(x + 2)$, $4 + 2x$?

15. Write a bracketed expression that expands to $5x + 15$.

16. Write a bracketed expression that expands to $-2a + 8$.

17. Explain why $k(3 + 2)$ and $3k + 2k$ are equivalent.

18. A rectangle has side lengths x and $x + 4$. Write and expand an expression for its perimeter.