Practice in Multiplying Two Binomials
Set # 534

#1. If each of a, b, and c is a number such that for each number x, $f(x) = ax^2 + bx + c$, and for each number x, $f(x) = (x - 2)(x - 3)$, then $b^2 - 4ac =$ _____.

#2. If each of a, b, and c is a number such that for each number x, $f(x) = ax^2 + bx + c$, and for each number x, $f(x) = (x + 4)(x - 5)$, then $b^2 - 4ac =$ _____.

#3. If each of a, b, and c is a number such that for each number x, $f(x) = ax^2 + bx + c$, and for each number x, $f(x) = (x + 5)(x - 8)$, then $b^2 - 4ac =$ _____.

#4. If each of a, b, and c is a number such that for each number x, $f(x) = ax^2 + bx + c$, and for each number x, $f(x) = (x + 1)(x - 1)$, then $b^2 - 4ac =$ _____.

#5. If each of a, b, and c is a number such that for each number x, $f(x) = ax^2 + bx + c$, and for each number x, $f(x) = (x + 2)(x - 11)$, then $b^2 - 4ac =$ _____.

#6. If each of a, b, and c is a number such that for each number x, $f(x) = ax^2 + bx + c$, and for each number x, $f(x) = (x - 4)(x - 8)$, then $b^2 - 4ac =$ _____.

#7. If each of a, b, and c is a number such that for each number x, $f(x) = ax^2 + bx + c$, and for each number x, $f(x) = (x - 12)(x - 2)$, then $b^2 - 4ac =$ _____.

#8. If each of a, b, and c is a number such that for each number x, $f(x) = ax^2 + bx + c$, and for each number x, $f(x) = (x - 3)(x - 7)$, then $b^2 - 4ac =$ _____.

#9. If each of a, b, and c is a number such that for each number x, $f(x) = ax^2 + bx + c$, and for each number x, $f(x) = (x - 8)(x - 9)$, then $b^2 - 4ac =$ _____.

#10. If each of a, b, and c is a number such that for each number x, $f(x) = ax^2 + bx + c$, and for each number x, $f(x) = (2x + 4)(x - 5)$, then $b^2 - 4ac =$ _____.

#11. If each of a, b, and c is a number such that for each number x, $f(x) = ax^2 + bx + c$, and for each number x, $f(x) = (x + 4)(3x - 5)$, then $b^2 - 4ac =$ _____.

#12. If each of a, b, and c is a number such that for each number x, $f(x) = ax^2 + bx + c$, and for each number x, $f(x) = (3x + 4)(2x - 5)$, then $b^2 - 4ac =$ _____.

#13. If each of a, b, and c is a number such that for each number x, $f(x) = ax^2 + bx + c$, and for each number x, $f(x) = (5x + 4)(8x - 5)$, then $b^2 - 4ac =$ _____.

#14. If each of a, b, and c is a number such that for each number x, $f(x) = ax^2 + bx + c$, and for each number x, $f(x) = (7x + 4)(4x - 5)$, then $b^2 - 4ac =$ _____.

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