

SM3H 1.2 ODD answers key

1. $x^2 + 3x - 10$
3. $9x^2 + 24xy + 16y^2$, perfect square trinomial
5. $u - v$, difference of squares
7. $(x + 11)(x - 11)$, difference of squares
9. $(y + 5)(y^2 - 5y + 25)$, sum of cubes
11. $(8 - 5y)(8 + 5y)$, difference of squares
13. $(x - 3)(3x + 2)$
15. $(4x + 3)(16x^2 - 12x + 9)$, sum of cubes
17. $(3y + 4)(6x - k)$
19. $2(4a + 3b)(4a - 3b)$, difference of squares
21. $(x + 3)(x - 3)(x^2 + 5)$, difference of squares
23. $-(x + 1)(x^2 - x + 1)$, sum of cubes
25. $(1 + 3x^2)(1 - 3x^2 + 9x^4)$, sum of cubes
27. $(x + 2)(3xy - 4)$
29. $-(x + 3)(x - 3)(x^2 + 2)$, difference of squares
31. $(5x^2 + 7)(5x^2 - 7)$, difference of squares
33. $x = 0, -2$
35. $4872\frac{1}{4}$
37. $x^3 - 5x^2 + 10x - 12$