

SM3 3.3 odd answer key

1. $(x + 10)(x - 10)$ difference of squares
3. $(x + 4)(x^2 - 4x + 16)$ sum of cubes
5. $(1 + 9x)(1 - 9x)$ difference of squares
7. $(9x + 4)(9x - 4)$ difference of squares
9. nonfactorable with real numbers
11. $(3 - x)(9 + 3x + x^2)$ difference of cubes
13. $(3x - 5)(9x^2 + 15x + 25)$
15. $(4 + 3x)(16 - 12x + 9x^2)$
17. $(2x + 3y)(2x - 3y)$
19. $(x^2 + 2)(x^4 - 2x^2 + 4)$
21. $2(x^3 - 2)(x^3 + 2)$
23. $(2x^2 - 3y^3)(2x^2 + 3y^2)$
25. $5x(2x^2 - 1)$
27. $(x - 5)(x + 4)$
29. $2(x - 3)^2$
31. $x = \pm 2$
33. $x = -4$