

SM3 2.3 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. $(3x - 5)(9x^2 + 15x + 25)$ difference of cubes
15. $(4 + 3x)(16 - 12x + 9x^2)$ sum of cubes
17. $(2x + 3y)(2x - 3y)$ difference of squares
19. $x = \frac{6}{5}, -\frac{6}{5}$
21. $x = \frac{3}{2}, -\frac{3}{2}$