

SM3 unit 2 test review answers

1. $f(x) = (x + 9)(x - 9)$

2. $f(x) = (x + 5)(x^2 - 5x + 25)$

3. $f(x) = (x + 6)(x + 10)$

4. $f(x) = (5x + 2)(2x - 3)$

5. $f(x) = (x - 7)^2$

6. $f(x) = (4x - 3y)(16x^2 + 12xy + 9y^2)$

7. $f(x) = 5x(5x - 3)$

8. $f(x) = 4(3y - 2)(9y^2 + 6y + 4)$

9. $f(x) = (8x + 5y)(8x - 5y)$

10. $f(x) = (5x - 2)(x - 10)$

11. $f(x) = 9(y - 2)$

12. $f(x) = 2(5x + 2)(2x + 3)$

13. $(x - 1)(x + 2)$

14. $2(x + 3)$

15. $4x(x + 3)(x - 2)$

16. $x + 5$

17. 8

18. $\frac{x+3}{x-7}$

19. $\frac{x-7}{(x-2)(x-3)}$

20. $\frac{4}{x}$

21. $\frac{1}{x+4}$

22. $\frac{x-2}{x(x-4)}$

23. 3

24. $\frac{(x+3)(x-3)}{2}$

25. $\frac{9}{2(x-3)}$

26. $\frac{x-2}{(x+4)(x-4)}$

27. $\frac{6}{(x+3)}$

28. $\frac{x^2+4x+16}{(x+4)^2}$