

Test 3 (practice) ANSWERS

1. $-3x^4 + x^2 - 9x + 2$
2. $3x + 7$
3. 2.57×10^6
4. $.003276$
5. $(3x + 2b)(2x + 3y)$
6. $(3x + 5)(x + 2)$
7. $5a(4a - 9)$
8. $x = \frac{3}{4}; x = -\frac{1}{4}$
9. $x = \pm 9$
10. $x = -7; x = \frac{3}{2}$
11. $x = 0; x = 2$
12. $x \neq \frac{2}{5}$
13. $x \neq -1 \quad x \neq -\frac{2}{3}$

14. $\frac{2 + 5y}{3x + 2y}$

15. $24x^4$

16. $(2x - 3)(x + 2)(x + 5)$

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

18. $\frac{(3x + 2)(x - 2)}{(x - 3)(x + 1)}$

19. $\frac{a - 22}{(a - 1)(a - 4)(a + 4)}$

20. $\frac{35a - 6}{10x(2x + 3)}$

21. N/A

22. N/A