

LISTING RATIONAL ZEROS List the possible rational zeros of the function using the rational zero theorem.

3. $f(x) = x^3 - 3x + 28$

4. $g(x) = x^3 - 4x^2 + x - 10$

5. $f(x) = 2x^4 + 6x^3 - 7x + 9$

6. $h(x) = 2x^3 + x^2 - x - 18$

7. $g(x) = 4x^5 + 3x^3 - 2x - 14$

8. $f(x) = 3x^4 + 5x^3 - 3x + 42$

FINDING REAL ZEROS Find all real zeros of the function.

11. $f(x) = x^3 - 12x^2 + 35x - 24$

12. $f(x) = x^3 - 5x^2 - 22x + 56$

13. $g(x) = x^3 - 31x - 30$

14. $h(x) = x^3 + 8x^2 - 9x - 72$

15. $h(x) = x^4 + 7x^3 + 26x^2 + 44x + 24$

16. $f(x) = x^4 - 2x^3 - 9x^2 + 10x - 24$

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

18. $g(x) = x^4 - 16x^2 - 40x - 25$

34. $f(x) = x^5 - 3x^4 - 5x^3 + 15x^2 + 4x - 12$

35. $h(x) = 2x^5 + 5x^4 - 3x^3 - 2x^2 - 5x + 3$