Even and odd functions

Name _____ Date _____

1. $f(x) = -4x^3 - 5x$ even, odd, or neither: _____

2. $f(x) = x^4 + 4x^2 - 3$ even, odd, or neither: _____

3. $f(x) = 2x^3 + 3x^2 - 6x + 5$ even, odd, or neither: _____

4. $f(x) = -5x^3 - 4x^2 - 2x + 6$ even, odd, or neither: _____

5. $f(x) = x^3 - 3x^2 + 4x - 9$ even, odd, or neither: _____

6. $f(x) = 3x^4 - 6x^2 - 6$ even, odd, or neither: _____

7. $f(x) = 2x^2 - 1$ even, odd, or neither: _____

8. $f(x) = -x^3 + x^2 + 6x + 9$ even, odd, or neither: _____

9. $f(x) = -2x^3 + 5x$ even, odd, or neither: _____

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10. $f(x) = -x^4 - 4x^2 - 4$ even, odd, or neither: _____

11. $f(x) = -4x^3 - 6x^2 + x + 6$ even, odd, or neither: _____

12. $f(x) = -5x^2 + 8$ even, odd, or neither: _____

13. $f(x) = -2x^4 + 3x^2 + 5$ even, odd, or neither: _____

14. $f(x) = -2x^4 + 8x^2 - 6$ even, odd, or neither: _____

15. $f(x) = 3x^3 + 5x^2 - 6x + 2$ even, odd, or neither: _____

16. $f(x) = x^3 + 6x^2 + 4x + 5$ even, odd, or neither: _____

17. $f(x) = -5x^3 + 5x^2 - 2x - 3$ even, odd, or neither: _____

18. $f(x) = -4x^3 + 3x^2 + 2x + 1$ even, odd, or neither: _____