Name: **Date:**

Scaffolded Practice: Describing End Behavior and Turns

For problems 1–5, determine the end behavior, the maximum number of turning points, and the maximum number of real roots of each function.

1. $f(x)=5x^3+2x^2-6$

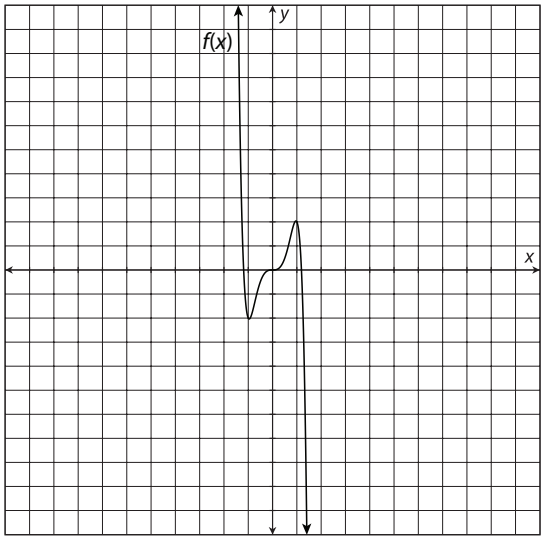
2. $f(x)=-7x^4+5x^3+4$

3. $g(x)=-2x^7-3x^6+4x^4+8$

4. $f(x)=-8x^6+x^4+3x^2-5x+1$

5. $h(x)=12x^{10}+x^9+3x^6+4x^3$

For problems 6–10, describe the end behavior of each graph. Determine whether the graph represents an even-degree or odd-degree function, and determine the number of real roots.

6. 

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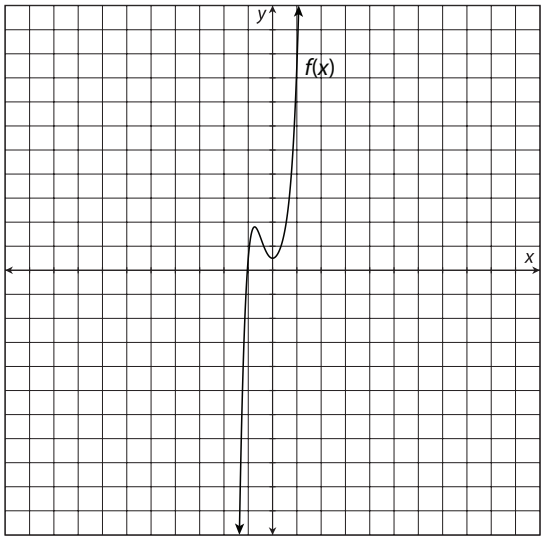
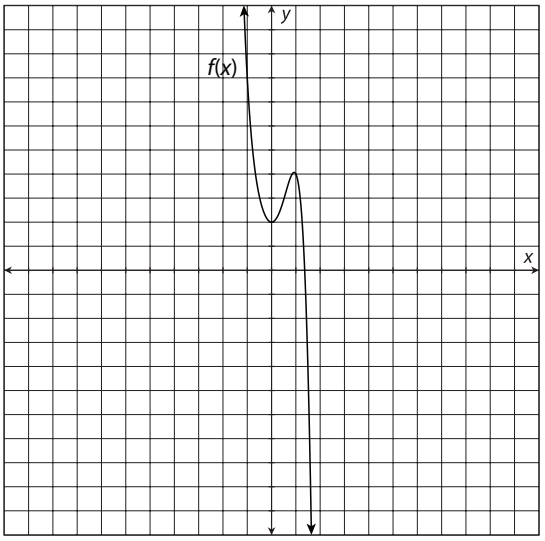
Name: **Date:**

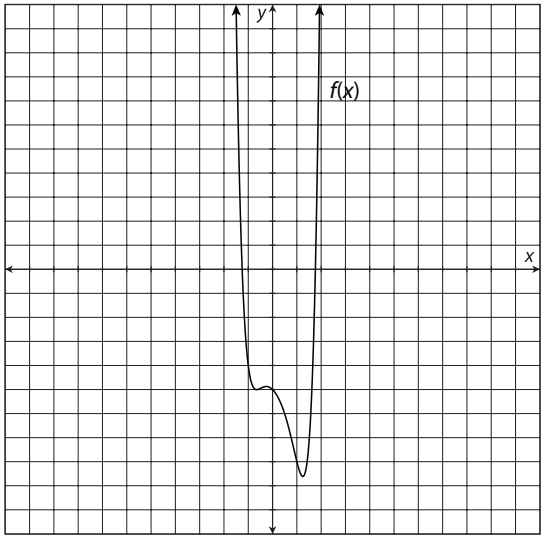
7.



9.



8.



10.