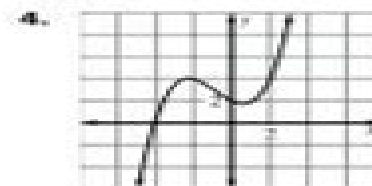
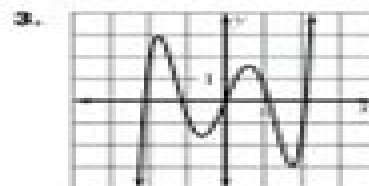
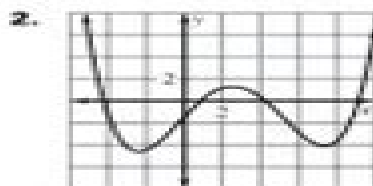


LESSON
5.8**Practice A**

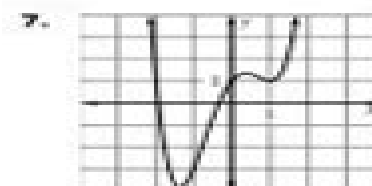
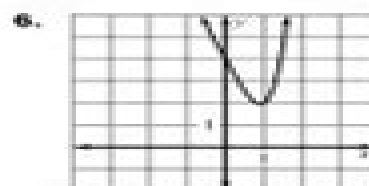
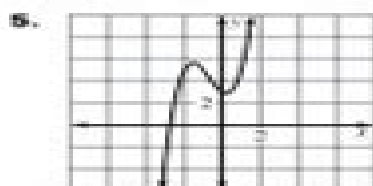
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1. **True or False** If k is a zero of the polynomial function f , then k is an x -intercept of the graph of $f(x)$. Explain your answer.

Determine the lowest-degree polynomial that has the given graph.



Estimate the coordinates of each turning point and state whether each corresponds to a local maximum or a local minimum.

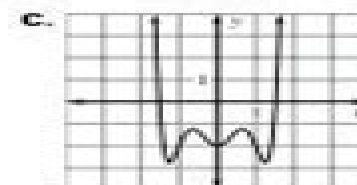
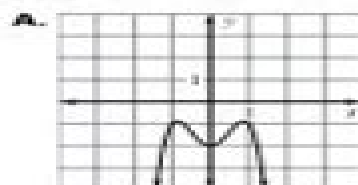


Match the graph with its function.

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

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

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



Determine the x -intercepts of the function.

11. $g(x) = (x + 4)(x - 1)$

12. $h(x) = (x - 2)(x - 3)$

13. $f(x) = x(x + 4)(x - 5)$

14. $f(x) = (x + 3)(x + 1)(x - 8)$

15. $g(x) = (x + 6)^2$

16. $h(x) = (x - 1)(x - 7)^2$

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L Darling-Hammond

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