

Complete the requested information for each equation and then match each graph with the appropriate equation.

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

2. $f(x) = x$

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

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

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

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

7. $f(x) = (x-1)(x-3)(x-5)$

8. $f(x) = -2x^2 + 16x - 24$

9. $f(x) = -(x-4)(x-3)(x-1)^2$

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

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

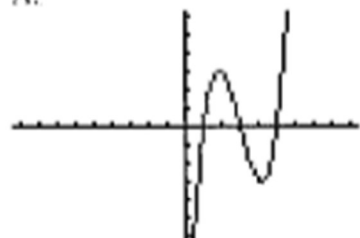
12. $f(x) = -x^3 + 9x$

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

14. $f(x) = -5$

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

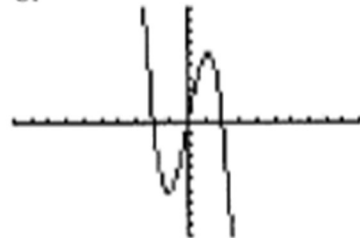
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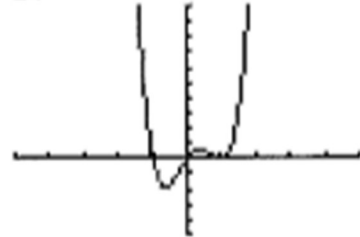
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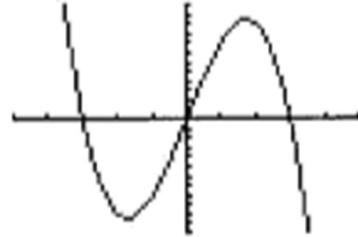
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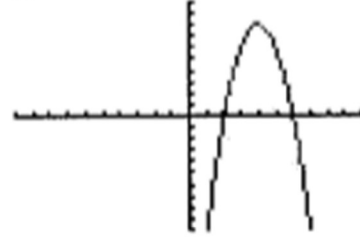
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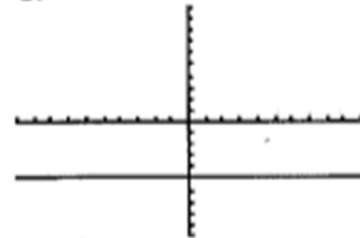
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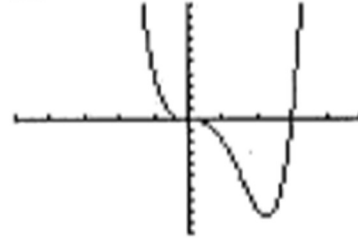
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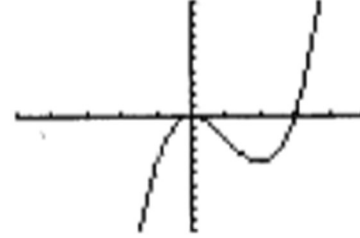
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H.



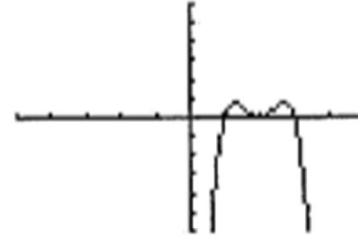
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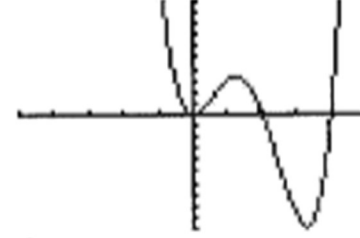
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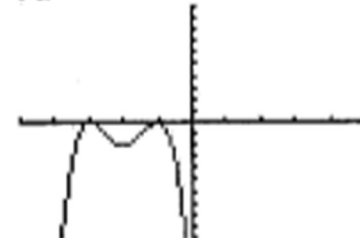
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L.



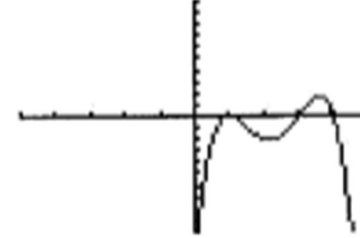
M.



N.



O.



Complete the requested information for each equation and then match each graph with the appropriate equation.

<p>1. $y = x^3 - 3x^2$ Degree: _____</p> <p>Factored: _____</p> <p>Zeros: _____</p> <p>End Behavior: _____</p> <p>Matching Graph: _____</p>	<p>6. $y = -2x^3 + 8x$ Degree: _____</p> <p>Factored: _____</p> <p>Zeros: _____</p> <p>End Behavior: _____</p> <p>Matching Graph: _____</p>	<p>11. $y = -2(x + 3)^2(x + 1)^2$ Degree: _____</p> <p>Factored: _____</p> <p>Zeros: _____</p> <p>End Behavior: _____</p> <p>Matching Graph: _____</p>
<p>2. $y = x$ Degree: _____</p> <p>Factored: _____</p> <p>Zeros: _____</p> <p>End Behavior: _____</p> <p>Matching Graph: _____</p>	<p>7. $y = (x - 1)(x - 3)(x - 5)$ Degree: _____</p> <p>Factored: _____</p> <p>Zeros: _____</p> <p>End Behavior: _____</p> <p>Matching Graph: _____</p>	<p>12. $y = -x^3 + 9x$ Degree: _____</p> <p>Factored: _____</p> <p>Zeros: _____</p> <p>End Behavior: _____</p> <p>Matching Graph: _____</p>
<p>3. $y = -3(x - 1)(x - 2)^2(x - 3)$ Degree: _____</p> <p>Factored: _____</p> <p>Zeros: _____</p> <p>End Behavior: _____</p> <p>Matching Graph: _____</p>	<p>8. $y = -2x^2 + 16x - 24$ Degree: _____</p> <p>Factored: _____</p> <p>Zeros: _____</p> <p>End Behavior: _____</p> <p>Matching Graph: _____</p>	<p>13. $3x^4 - 3x^3 - 3x^2 + 3x$ Degree: _____</p> <p>Factored: _____</p> <p>Zeros: _____</p> <p>End Behavior: _____</p> <p>Matching Graph: _____</p>
<p>4. $y = 9 - 4x^2$ Degree: _____</p> <p>Factored: _____</p> <p>Zeros: _____</p> <p>End Behavior: _____</p> <p>Matching Graph: _____</p>	<p>9. $y = -(x - 4)(x - 3)(x - 1)^2$ Degree: _____</p> <p>Factored: _____</p> <p>Zeros: _____</p> <p>End Behavior: _____</p> <p>Matching Graph: _____</p>	<p>14. $y = -5$ Degree: _____</p> <p>Factored: _____</p> <p>Zeros: _____</p> <p>End Behavior: _____</p> <p>Matching Graph: _____</p>
<p>5. $y = x^2(x - 3)^3$ Degree: _____</p> <p>Factored: _____</p> <p>Zeros: _____</p> <p>End Behavior: _____</p> <p>Matching Graph: _____</p>	<p>10. $y = x^4 - 3x^3$ Degree: _____</p> <p>Factored: _____</p> <p>Zeros: _____</p> <p>End Behavior: _____</p> <p>Matching Graph: _____</p>	<p>15. $y = x^4 - 6x^3 + 8x^2$ Degree: _____</p> <p>Factored: _____</p> <p>Zeros: _____</p> <p>End Behavior: _____</p> <p>Matching Graph: _____</p>

