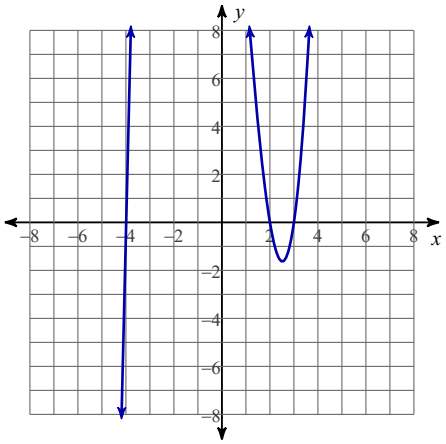
Algebra 1



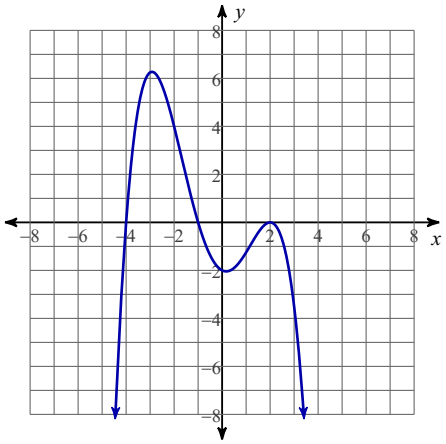
# HW45: Zeros of Polynomials

**Identify the zeros of the polynomial from the graph.**

1)




2)

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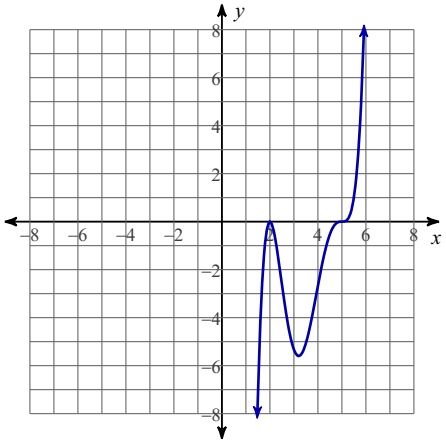


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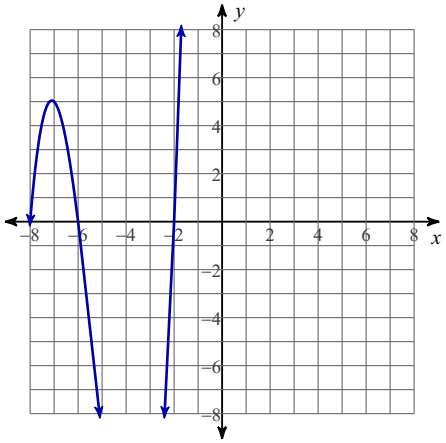


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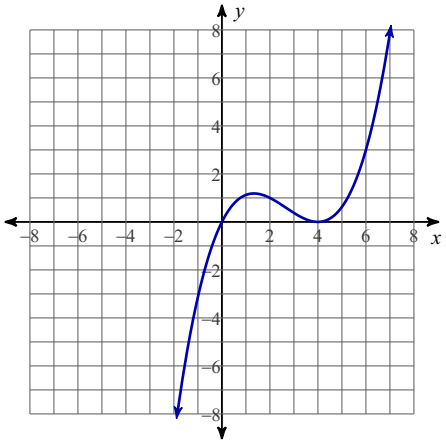


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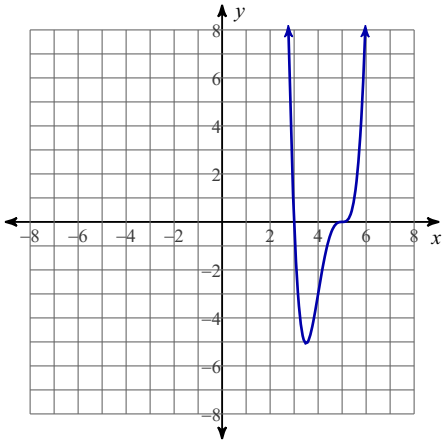

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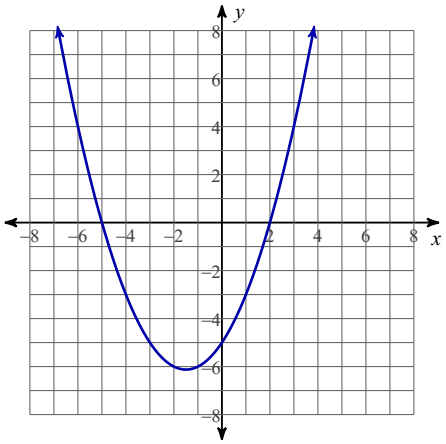

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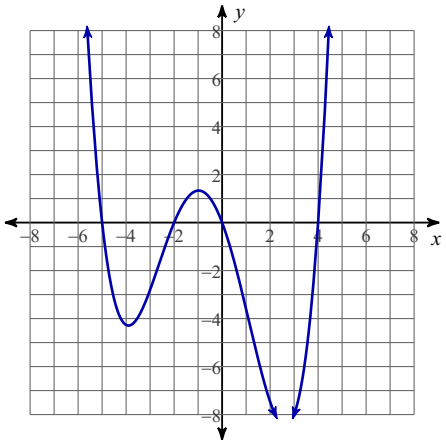

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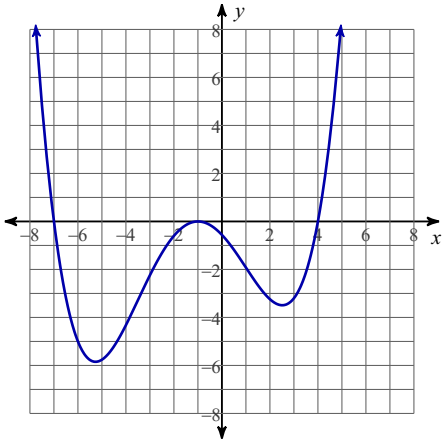

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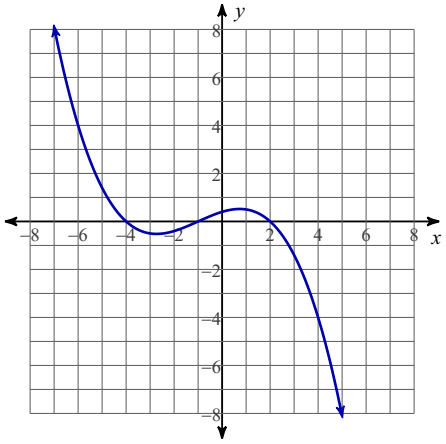

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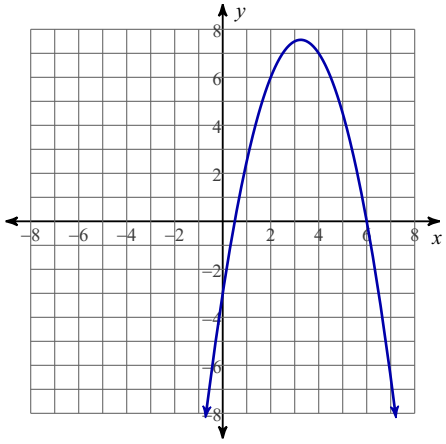

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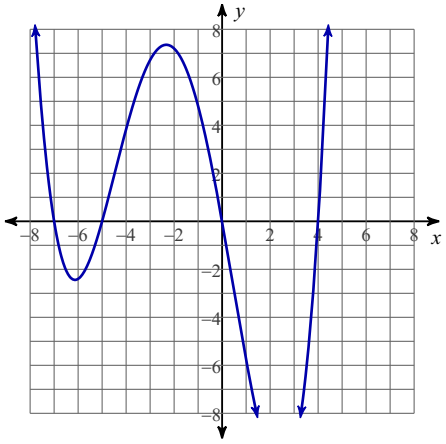


**Identify the zeros of the polynomial.**

13) $f(x) = (x-3)(x+1)(3x-7)$

14) $f(x) = x(x+2)(x-15)$

15) $f(x) = x(x+6)(x-5)(3x+8)$

16) $f(x) = (x-19)(x+15)(5x-1)$

17) $f(x) = (x-2)(x-5)(x-10)$

18) $f(x) = (x+4)(x+2)(x+21)(x+18)$

19) $f(x) = (x-4)(x+213)(3x-20)$

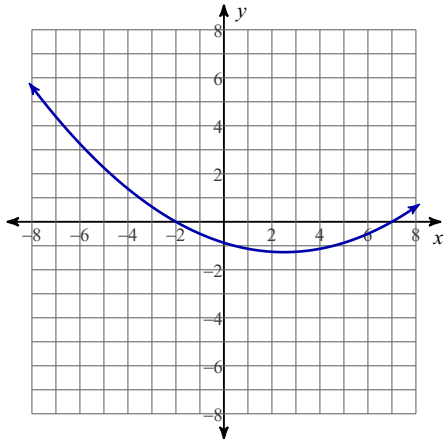
20) $f(x) = (4x-19)(3x-4)(6x+209)(x+3)$

21) $f(x) = (x-3)(x+9)(x-2)(x+14)$

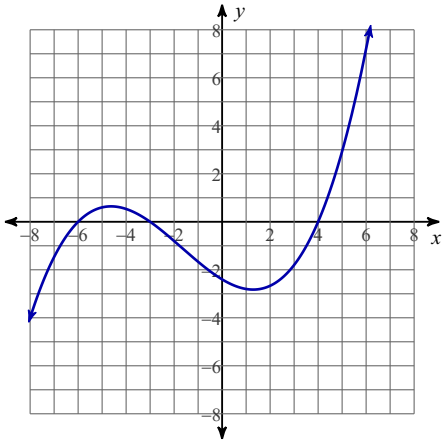
22) $f(x) = x(x+4)(x-8)(x+100)(3x-8)$

**Write a possible polynomial function for the graph.**

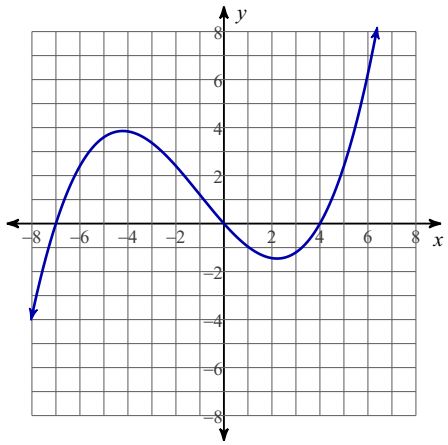
23)



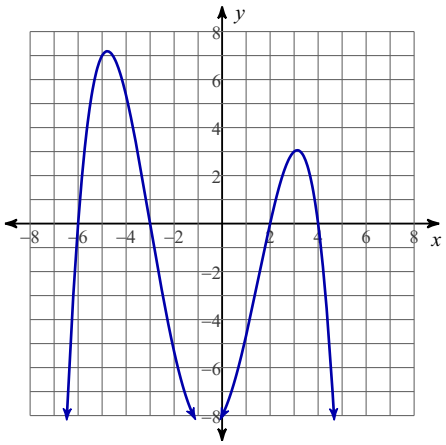

24)



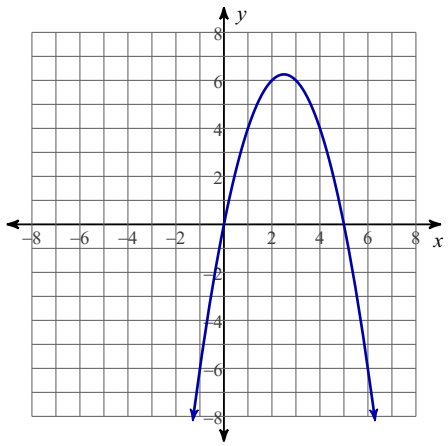

25)




26)




27)




28)