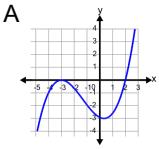
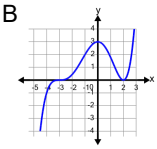
Name

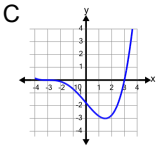
Function Root Behaviour (Polynomials) - Function to Graph

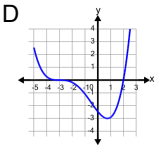
1 Which graph shows the x-intercept behaviour of this function?

$$f(x) = (x+3)^3(x-2)$$

A 

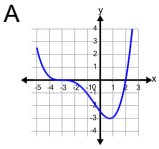
B 

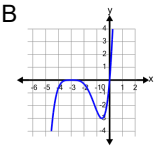
C 

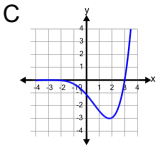
D 

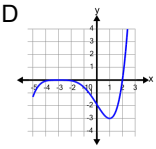
2 Which graph shows the x-intercept behaviour of this function?

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

A 

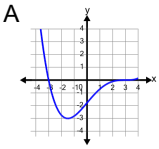
B 

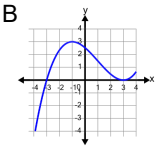
C 

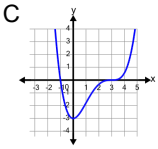
D 

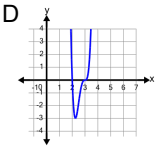
3 Which graph shows the x-intercept behaviour of this function?

$$f(x) = (x+3)(x-3)^3$$

A 

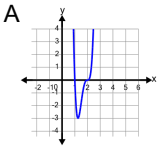
B 

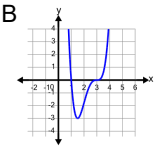
C 

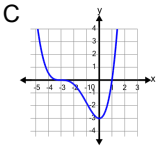
D 

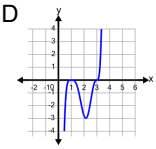
4 Which graph shows the x-intercept behaviour of this function?

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

A 

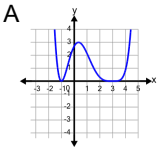
B 

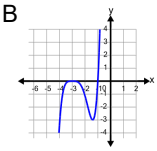
C 

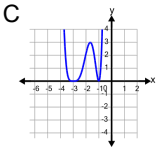
D 

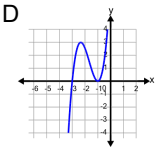
5 Which graph shows the x-intercept behaviour of this function?

$$f(x) = (x+3)^4(x+1)^2$$

A 

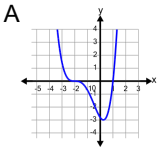
B 

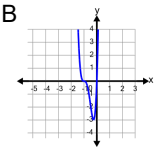
C 

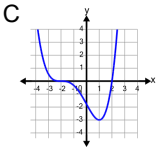
D 

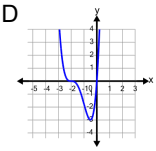
6 Which graph shows the x-intercept behaviour of this function?

$$f(x) = (x+2)^3x$$

A 

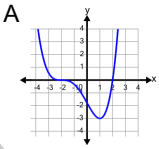
B 

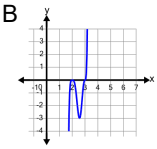
C 

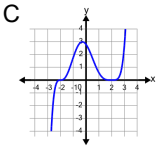
D 

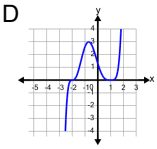
7 Which graph shows the x-intercept behaviour of this function?

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

A 

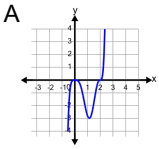
B 

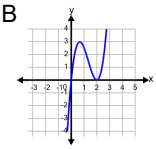
C 

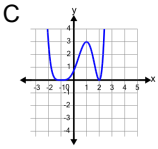
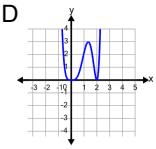
D 

8 Which graph shows the x-intercept behaviour of this function?

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

A 

B 

C 

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