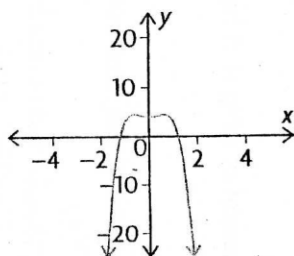


Polynomial Function Worksheet

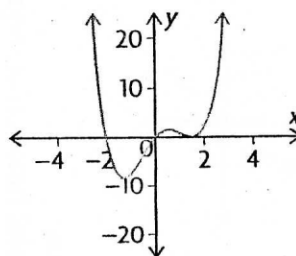
Determine the key features of the each polynomial equation. Then match each equation with the most likely graph below.

	Equations	Degree	The sign of the leading coefficient	End behavior	Possible number of zeros	Possible Number of turning points = Total # of local max and min.	y-intercept
1.	$y = 2x^3 - 4x^2 + 3x + 2$						
2.	$y = -4x^4 + 3x^2 + 4$						
3.	$y = x^4 - x^3 - 4x^2 + 5x$						
4.	$y = -2x^5 + 3x^4 + 6x^3 - 10x^2 + 2x + 5$						
5.	$y = x^3 + 5x^2 - 3x + 1$						
6.	$y = x^6 - 16x^2 + 3$						

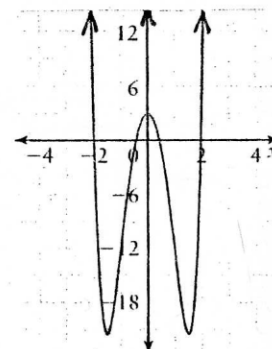
A



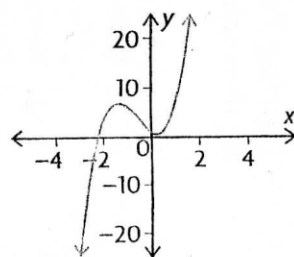
C



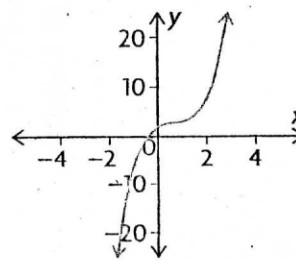
E



B



D



F

