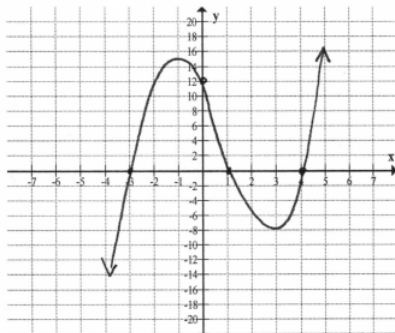


Pre-Calc AB Worksheet #57 : Answers

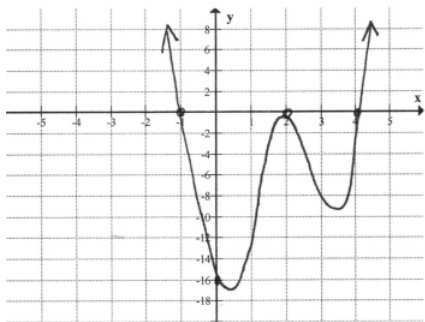
1.

Leading Term x^3	End-Behavior ↓ ↑		
Zeros	4	1	-3
Multiplicities	1	1	1
Y-intercept	(0,12)		



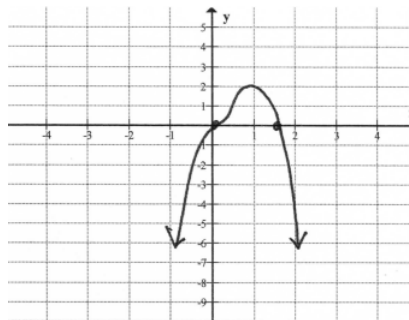
2.

Leading Term x^4	End-Behavior ↑ ↑		
Zeros	-1	2	4
Multiplicities	1	2	1
Y-intercept	(0,-16)		



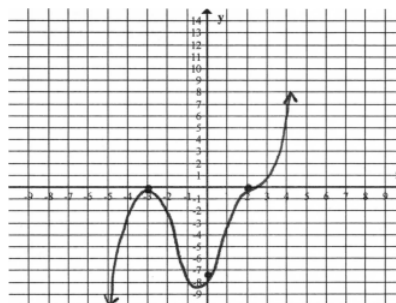
3.

Leading Term $-2x^4$	End-Behavior ↓ ↓	
Zeros	0	3/2
Multiplicities	3	1
Y-intercept	(0,0)	



4.

Leading Term $\frac{1}{10}x^5$	End-Behavior ↓ ↑	
Zeros	2	-3
Multiplicities	3	2
Y-intercept	(0,-7.2)	



5. $f(x) = -(x - 2)(x + 2)$

$g(x) = (x + 2)(x + 1)(x - 1)(x - 2)$

$h(x) = \frac{1}{4}(x + 4)(x + 2)(x - 3)$