Given the polynomials below, identify the y-intercept
1.
$$f(x) = 3x^3 + 2x^2 - 6x - 1$$
 (.0. -1)
How many solutions does the polynomial below have?
Also, identify the degree and name the function.
3. $f(x) = -2x^3 + x^2 - 5x + 3$
of solutions:
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of solutions:
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3. $f(x) = -2x^3 + x^2 - 5x + 3$
of solutions:
3. $f(x) = -2x^3 + x^2 - 5x + 3$
of solutions:
5. $1, -2, 5$
 $f(x-1)(x+2)(X-5)$
(X-1)(X+2)(X-5)
(X-1)(X+2)(X-5)
(X-1)(X+2)(X-5)
(X-1)(X+2)(X-5)
(X-1)(X+2)(X-5)
(X-1)(X+2)(X-5)
(X-1)(X+2)(X-5)
(X-1)(X+6)(x+9)
 $f(x) = 0, x + 3$
 $f(x) = 0, x^3 + 2x^2 + 4x + 5$
 $f(x) = 0, x^3 + 2x^2 + 4x + 5/2$
 $f(x) = -3x = -7$
10. $3x^3 - 2x^2 - 61x - 20 = 0; x+4$
 $f(x) = 2x^2 - 61x - 20 = 0; x+4$
 $f(x) = 2x^2 - 61x - 20 = 0; x+4$
 $f(x) = 2x^2 - 61x - 20 = 0; x+4$
 $f(x) = 1, x^{-1} - 2, x^{-1} + 2$

Degree & Name	3 aubre	Relative Maximum	(20)	iterate,	R
Domain		Relative Minimum	(0,-4)	1 4	D
Range	(~~~b~_)	Intervals of Increase	& (0, -2) & (0, 0)	1 3-	
y-intercept	(_0,-4)	Interval of Decrease	(-2, 0)	AS -4 -3 -2 -1	
x- intercept(s)	(-2, 0), (-2, 0), (-2, 0),	Symmetry (even, odd, Neither)	N		2 5
Left end behavior	As $x \to -\infty$, $y \to -\infty$	The liter on the lite			
Right end behavior	As $x \to \infty$, $y \to \mathcal{Y}$	Pressurer 1			

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Name	5 cuerce	Relative Maximum		51.1
Domain	<u> </u>	Relative Minimum	(0,-4)	
Range	(-00 00)	Interval of Increase	(<u>0</u> , <u>2</u>)	
y-intercept	(0, -4)	Intervals of Decrease	$(-\underline{p}, \underline{b})$ & (-\underline{4}, \underline{p})	
x- intercept(s)	(-, 0), (0,	Symmetry (even, odd, Neither)	N	
Left end behavior	As $x \rightarrow -\infty, y \rightarrow \Sigma$			
Right end behavior	As $x \rightarrow \infty$, $y \rightarrow $			

Degree & Name	4 Quarke	Relative Maximum	(<u>0</u> , <u>0</u>)	
Domain	()	Absolute & Relative Minimum		Q, φ
Range	[<u></u>)	Intervals of Increase	(1, 0)	i. ()
y-intercept	(0,0)			(-1.5,0) 1= (1.5,0)
x- intercept(s)		Intervals of Decrease		-5 -6 -1 -2 + 5 = x (-1,-1) -2 + 5 = x
Left end behavior	As $x \rightarrow -\infty, y \rightarrow b^{\infty}$	Symmetry (even, odd,	F	T,
Right end behavior	$As x \rightarrow \infty, y \rightarrow $	Neither)	-	-5

