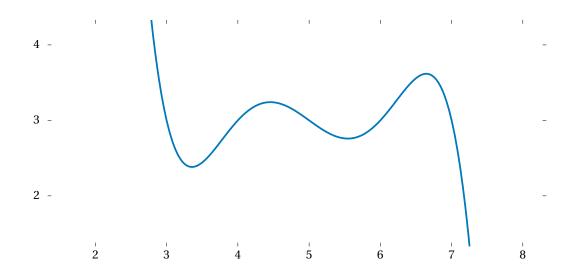
Pop Quiz Math 113-001/6 College Algebra Colorado Mesa University Fall 2022

1.	How can you find all the	roots of th	ie polynoi	mial $x^4 - 7$	$7x^3 + 12x^2$	without usi	ng technolog	gy?
2.	How can you find all the	roots of th	ie polynoi	mial $x^4 - 7$	$7x^2 + 12 \text{ w}$	rithout using	technology:)
3.	What is an equation of these points?	he unique	degree-f	our polyn	omial wh	ose graph p	asses throu	gh all of
	·	(1, -3)	(2,2)	(3,5)	(4,3)	(5,1)		

4. What degree might the polynomial whose graph is below have?



5. How can you find all the roots of the polynomial $x^3 - x^2 - 8x + 12$ without using technology, if you know one of the roots is 2?

6. Fifty counting numbers (positive whole numbers) are written down in a list in such a way so that the sum of any four consecutive numbers is 53. The first number is 3, the 19th number is eight times the 13th number, and the 28th number is five times the 37th number. What is the 44th number?