AA6-3 Notes   Finding An Exact Equation of a polynomial
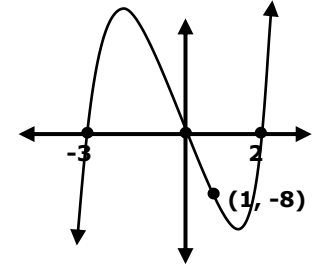
What do you know about this polynomial?

x-intercept	type (multiplicity)	factor

(1, -8)

-3   2
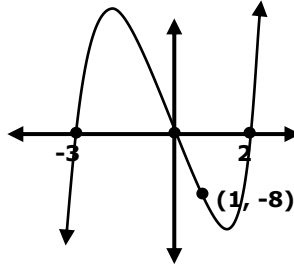
Step 1: Write an equation for this polynomial with a lead coefficient "a".	
Step 2: Substitute the given point. Don't forget to replace every x.	
Step 3: Solve for "a". Should "a" be positive or negative? _____	
Step 4: Rewrite the equation with the value of "a".	