Name:	Date:
	L CHALLENGE RE ALGEBRA II
written in factored form:	of a polynomial are known, its equation can easily be
$y = a(x - z_1)(z$	$(x-z_2)(x-z_3)$
when $a$ is negative, it also has the effect of reflecting the	nction and $a$ is the vertical stretch constant. Recall that e polynomial across the $x$ -axis.
come up with as many equations as you can in 40 minu	ates. The equations must be written in factored form and os are integers and one point is specified to aid in the
Polynomial Challenge #1	Calculation of a (if needed)
Final Equation:	
Polynomial Challenge #2	Calculation of a (if needed)
Final Equation:	
Polynomial Challenge #3	Calculation of a (if needed)



**Final Equation:** 



Polynomial Challenge #4  Final Equation:	Calculation of a (if needed)
Polynomial Challenge #5  Final Equation:	Calculation of a (if needed)
	Calculation of a (if needed)
Polynomial Challenge #6  Final Equation:	
Polynomial Challenge #7	Calculation of a (if needed)
Final Equation:	
Polynomial Challenge #8	Calculation of a (if needed)
Final Equation:	





Polynomial Challenge #9	Calculation of a (if needed)
Final Equation:	
Polynomial Challenge #10	Calculation of a (if needed)
Final Equation:	
Polynomial Challenge #11	Calculation of a (if needed)
Final Equation:	
Polynomial Challenge #12	Calculation of a (if needed)
Final Equation:	
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Polynomial Challenge #13	Calculation of a (if needed)
Final Equation:	
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Polynomial Challenge #14	Calculation of a (if needed)
Final Equation:	
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Polynomial Challenge #15	Calculation of a (if needed)
Final Equation:	
	1
Polynomial Challenge #16	Calculation of a (if needed)
Final Equation:	
	1
Polynomial Challenge #17	Calculation of a (if needed)
Final Equation:	





Polynomial Challenge #18	Calculation of a (if needed)
Final Equation:	
Polynomial Challenge #19	Calculation of a (if needed)
Final Equation:	
Polynomial Challenge #20	Calculation of a (if needed)
Final Equation:	



