Nam	20.			Adv. Alg	ohra 2					
	ne:									
Date	e: Period	d:		Chapter	4: Quadratic Functions					
		4.3-4.4	Review							
Find	Find an equation in standard form of the parabola passing through the points.									
1.	(1,-1), (2,-5), (3,-7)		2. (2,-8), (3, -8), (6,4)							
3.	(-1, -12), (0,-6), (3,0)		4. (-1, -6), (0,0), (2,6)							
5.	5. The table shows the number n of tickets to a school play sold t days after tickets went on sale, for several days.									
	a. Find a quadratic model for th	ne data.	_							
	b. Use the model to find the number of tickets sold on		day 7.	Days, t	# Tickets sold, n					
	5. Ose the model to find the flu		1	32						
				3	64					
				4	74					
	c. When was the greatest num	ber of tickets sold?								

		Month, t	# Pairs of
a. Find a quadratic model for the data, us	sing January as month 1, February as	Jan	Skis Sold, s
month 2, and so on.	month 2, and so on.		
		Mar May	42 18
b. Use the model to predict the number of	of pairs of skis sold in November	iviay	10
c. In which month were the fewest skis so	old?		
ctor the following completely			
7. $5x^2 - 17x + 6$	$8. \ \ 3x^2 + 10x + 8$		
$2x^2 - 9x - 5$	10. $9x^2 - 6x + 1$		
1. $n^2 - 49$	12. $2x^2 + 50$		
$3. \ 2x^2 + 9x + 10$	$14. \ 6y^2 - 5y + 1$		
$-5. \ x^2 + 11x + 28$	$16. \ x^2 + 13x + 42$		
.J. λ Τ 11λ Τ Δ0	10. x + 13x + 42		

17. $x^2 - 12x + 32$	$18x^2 + 9x - 18$
19. $12x^2 + 10x - 12$	$20. \ -4x^2 + 2x + 30$
21. $m^2 + 22m + 121$	22. $36x^2 + 12x + 1$
$232x^2 - 32x - 128$	24. $r^2 - 144$
2321 - 321 - 120	24.7 — 144
$25. \ x^2 - 3x - 40$	26. $x^2 - 2x - 15$
	25. % 2% 15
$27. \ x^2 - 7x - 60$	$28. \ x^2 - 10x + 21$
29. $x^2 + 3x - 54$	30. $x^2 + 11x + 24$
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