Mathematics Assessment Program CCR-A1

College and Career Readiness Mathematics

Scoring Rubric (Draft)

Short Tasks				
Q	Answer	Points		
1	33	1		
2	x = -4 and $x = +1$	1		
3	Inverted parabola offset to the left to approximately match the zeros: -3	1		
4	$y = 3x^2$ $y = x^2$	1		
5	$x^2 + y^2 - 4x - 2y - 20 = 0$	1		
	Total	6		

1

Sal	Sale!		Rubric	
		Points	Section points	
1.	Gives correct answer Two for the price of one.	2		
	Gives correct explanations such as:			
	If the original price of one item is \$100, then			
	Two for the price of one means that each item costs \$50 or 50% of the original price			
	Buy one and get 25% off the second means that each item costs \$87.50 or 87.5% of the original price			
	Buy two and get 50% off the second means that each item costs \$75 or 75% of the original price			
	Three for the price of two means that each item costs \$66.67 or 66.7% of the original price	4	6	
2.	Gives correct answer: Buy one and get 25% off the second	2	_	
	Gives correct explanations such as:			
	Two for the price of one means that each item is reduced by \$50 or 50% of the original price			
	Buy one and get 25% off the second means each item is reduced by \$12.50 or 12.5% of the original price			
	Buy two and get 50% off the second means that each item is reduced by \$25 or 25% of the original price			
	Three for the price of two means that each item is reduced by \$33.33 or 33.3% of the original price	2	4	
	Total Points		10	

Functions			Rubric	
		Points	Section points	
1.	Gives correct answers: (2, 9), (3, 7), (4, 5), (5, 3)	1		
	Draws a correct line on the grid	1		
			2	
2.	Gives correct answer: $y = 13 - 2x$	2		
	Partial credit For a partially correct answer.	(1)		
	Shows correct work such as:			
	The line has slope –2 and cuts the y axis at 13	1	3	
3.	Gives correct answers: (1, 5), (2, 8), (3, 9), (4, 8)	1		
	Draws a correct curved graph	1		
			2	
4.	Gives correct answer: $y = 6x - x^2$ Partial credit	2		
	Expression $6x - x^2$	(1)		
	Shows some correct work	1		
	Total Points		3 10	

Proofs of the Pythagorean Theorem	Ru	bric
	Points	Section points
Gives correct answer: The best proof is attempt number 2.	3	
Explains that attempt number 2 works for any size of right triangle.	2	
Explains that attempt number 1 only shows that the theorem works for a 3, 4, 5 triangle.	2	
Explains that attempt number 3 only shows that the theorem works for isosceles right triangles.	3	10
Total Points		10