Algebra Readiness SBAC Practice 4

Algebra Readiness SBAC Practice 4 Name		Date	Period	
Part A: Graph & Compare Proportional Relationships [8.EE.5]				
1.	Hellen buys bus tickets each month. Use the graph to answer the		20 Total Cost (Dollars)	
	question.		18	
	Select the statement that is true.		16	
			14	
	A) Hallon spont 6 dollars to huy 18 tickets		12	
	A) Hellen spent 6 dollars to buy 18 tickets.		10	
	B) Hellen spent 12 dollars to buy 12 tickets.		8	
	b) Henen spent 12 donars to buy 12 tickets.		4	
	C) Hellen spent 6 dollars to buy 2 tickets.		2	
				Tickets
	D) Hellen spent 20 dollars to buy 6 tickets.		1 2 0	1 5 5
2.	Christopher is driving to work. The graph shows a proportional relationship between time passed and miles driven.		10 Miles Driven	
			9	
	Select the statement that identifies the slope correctly and interprets the slope in the context of the situation.		8	
			7	
			6	
	A) The slope of the line is 2; every minute, Christopher drives 2 miles.		5	
			4	
	B) The slope of the line is 2; every 2 minutes, Christopher drives 1 mile. C) The slope of the line is $\frac{1}{2}$; every minute, Christopher drives $\frac{1}{2}$ mile.		2	
			1	
				6 7 8 9 10
			1	-
	D) The slope of the line is $\frac{1}{2}$; every $\frac{1}{2}$ minute, Christopher drives 1 mile.			
Part B: Similar Triangles & Slope [8.EE.6]				
3.	The propertional relationship shown below has slope $\frac{2}{2}$ and passes		10 y	
	The proportional relationship shown below has slope $\frac{2}{5}$ and passes			
	through (0, 0).		8	
			6	+ + + + -
	Starting at the origin, move 10 units to the right and the	en up until you		
	get to the line.		4	
	What do you notice about the two triangles formed? What do you wonder?		2	
				x
	NT /*			6 8 10
	Notice		Wonder	

