Content Standard	MAFS.8.F Functions		
	<b>MAFS.8.F.2</b> Use functions to model relationships between quantities.		
	<b>MAFS.8.F.2.5</b> Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, linear or nonlinear). Sketch a graph that exhibits the qualitative features of a function that has been described verbally.		
Assessment Limits	Linear or nonlinear relationships may use any of the four quadrants. Graph descriptions move from left to right. Functional relationships must be continuous.		
Calculator	Neutral		
Item Types	Equation Editor GRID Matching Item Multiple Choice Multiselect		
	Open Response		
	Table Item		
Context	Allowable		
Sample Item		Item Type	
Which graph represents a linear function increasing at a constant rate?         Multiple Cl		Multiple Choice	
A.	C.		
B.	D.		

Sample Item	Item Type
Kim rides a stationary bike for fifteen minutes of exercise.	GRID
Kim starts her ride slow, stops for 2 minutes, and then continues her ride faster than she started.	
Use the Connect Line tool to create a possible graph of Kim's ride.	
🕟 Delete 🔀 Add Point 🏎 Connect Line 🖨	
, Kim's Ride	
Mary and Kim go bike riding on some trails. Graphs of the functions representing one of their rides are shown, where x is the time, in minutes, and y is the distance, in	Multiselect
miles. Select all statements that are true based on the graphs shown.	
Mary's Ride Kim's Ride	
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<ul> <li>Kim stops for 3 minutes.</li> <li>Mary stops for 2 minutes.</li> <li>Mary slows down after minute 8.</li> <li>Kim and Mary both ride the same distance after 14 minutes.</li> <li>Mary and Kim both begin the bike ride at the same speed between minutes 0 and 4.</li> </ul>	

