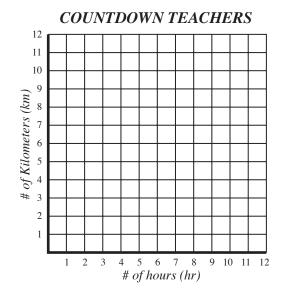# MathFLIX CHALLENGE

Rise Over Run

The COUNTDOWN teachers entered a 12 kilometer race. Each ran at a different speed. Use the information in the table to graph each teacher's performance. Use a different color for each teacher. Finally, write the equation of each line.

Teacher	Speed (#km/1 hr)	Starting Point (y-intercept)	Equation
Susan	$6/1 = rise/run$	0	6x + 0
Shaalein	$4/1 = rise/run$	0	
Mary	$3/1 = rise/run$	0	
Dorothy	$2/1 = rise/run$	0	
Diane	$1/1 = rise/run$	0	

COUNTDOWN TEACHERS

# of Kilometers (km) vs. # of hours (hr)

In order to encourage families to run in the race, there were different starting points for age groups. The children in the Santiago family trained together and all ran at 2 km/hr. Use the information in the table to graph each player's performance.

Student	Speed (slope)	Starting Point (y-intercept)	Equation
Anna (15)	$2/1 = rise/run$	0	2x + 0
Tina (13)	$2/1 = rise/run$	2	2x + 2
Thomas (12)	$2/1 = rise/run$	4	
Angel (10)	$2/1 = rise/run$	6	
Mina (9)	$2/1 = rise/run$	8	

SANTIAGO FAMILY

(km) — Mina, Angel, Thomas, Tina, Anna vs. # of hours (hr)