

**Chapter
4**

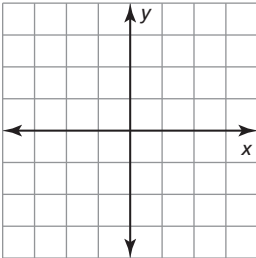
Performance Task (continued)

Any Beginning

With so many ways to represent a linear relationship, where do you start? Use what you know to move between equations, graphs, tables, and contexts.

Each cell of the matrix contains a different format for the same problem. Make four copies of the matrix. For each problem, start with the given information and fill in the rest of the chart. Each time, you will start in a different place.

1. Table: $\{(4, 4), (8, 5), (-4, 2)\}$
2. Slope and intercept: $m = \frac{-2}{3}$ and $b = -1$
3. Situation: The photography studio charges an initial fee of \$35 and \$5 for each picture.
4. Standard Form: $4x - y = -3$

Situation	Table <table style="margin: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 5px;">x</td> <td style="padding: 5px;">y</td> </tr> <tr> <td style="border-right: 1px solid black; border-bottom: 1px solid black;"></td> <td style="border-bottom: 1px solid black;"></td> </tr> </table>	x	y			Slope-intercept form
x	y					
Graph 	Standard form	Points in functional notation				
Point-slope form	Equation of a parallel line	Equation of a perpendicular line				

For each of the four problems, describe the order in which you filled in the matrix and why you chose that order.