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## Table/Graph/Equation/Situation Problems

Directions: For each problem, one form of a linear relationship is given - either a table, a graph, an equation, or a realworld situation written out in words. Based on which representation is given, you must create the other three. So, for example, if the equation is given, you must create a table ( $x$-values from 0 to 5 is fine), a graph (be sure to scale your $x$ and $y$-axis appropriately, and think about whether or not it would make sense to connect your dots!) and think of your own real-world situation that would match the equation.

## A

Table: (need graph, equation, situation)


## B

Graph: (need table, equation, situation)


## C

Situation: (need table, graph, equation)
The temperature on Sunday was $-11^{\circ} \mathrm{F}$. But the temperature has risen $4.5^{\circ} \mathrm{F}$ each day since then.


## D

Equation: (need table, graph, situation)

$$
y=50-2.5 x
$$

## E

Graph: (need table, equation, situation)


## F

Table: (need graph, equation, situation)

| $\mathbf{x}$ | $\mathbf{y}$ |
| :---: | :---: |
| 1 | 75 |
| 2 | 150 |
| 3 | 225 |
| 4 | 300 |
| 5 | 375 |



