Lesson 6.2.2: Analyzing Functions Fitted to Data

Warm-Up 6.2.2

A local dollar store sells goods for around $1, but the name is a little misleading these days with the rising costs of goods. You have kept track of the number of items you've bought and the prices you paid for that number of goods. You recorded your data in the following table. Use the table for problem 1.

Number of goods	Cost in dollars ($)
2	5
4	8
9	14
10	19

1. Plot each point in the table on a coordinate plane.

2. Yasin is a welder. For his job, he requires 1 hour to set up and then 3 hours for each project. The time it takes on his job to complete x projects in one day can be modeled by the function $y = 3x + 1$. Graph the function $y = 3x + 1$.

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