

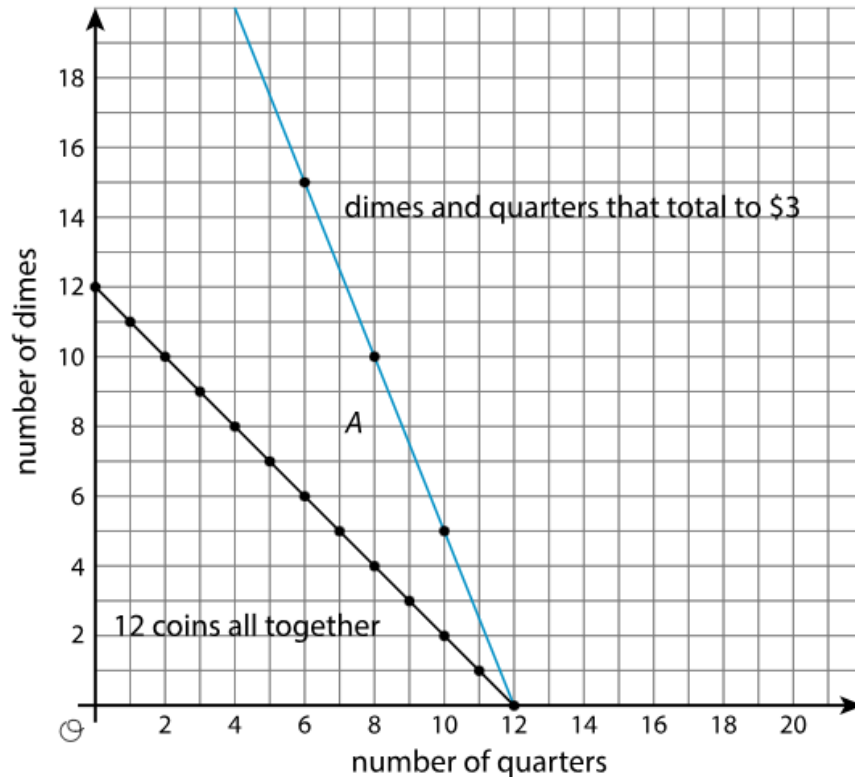
# Day 14/15 Homework

Name: \_\_\_\_\_



Date: \_\_\_\_\_

1. On the coordinate plane below, one line shows the combinations of dimes and quarters that are worth \$3. The other line shows the combinations of dimes and quarters that total up to 12 coins.



a. Name one combination of 12 coins shown on the graph.

b. Name one combination of coins shown on the graph that total to \$3.

c. What is the coordinate for the point where the two lines intersect?

d. How many quarters and dimes would you need to have both 12 coins and \$3 at the same time?



# Day 14/15 Homework

2. Mai earns \$7 per hour mowing her neighbors' lawns. She also already has \$14 from her savings. Priya babysits her neighbor's children. She earns \$8.40 an hour.
- a. Complete the Table for each Mai and Priya for the number of hours(***h***) they work and the amount of money(***m***) they get.

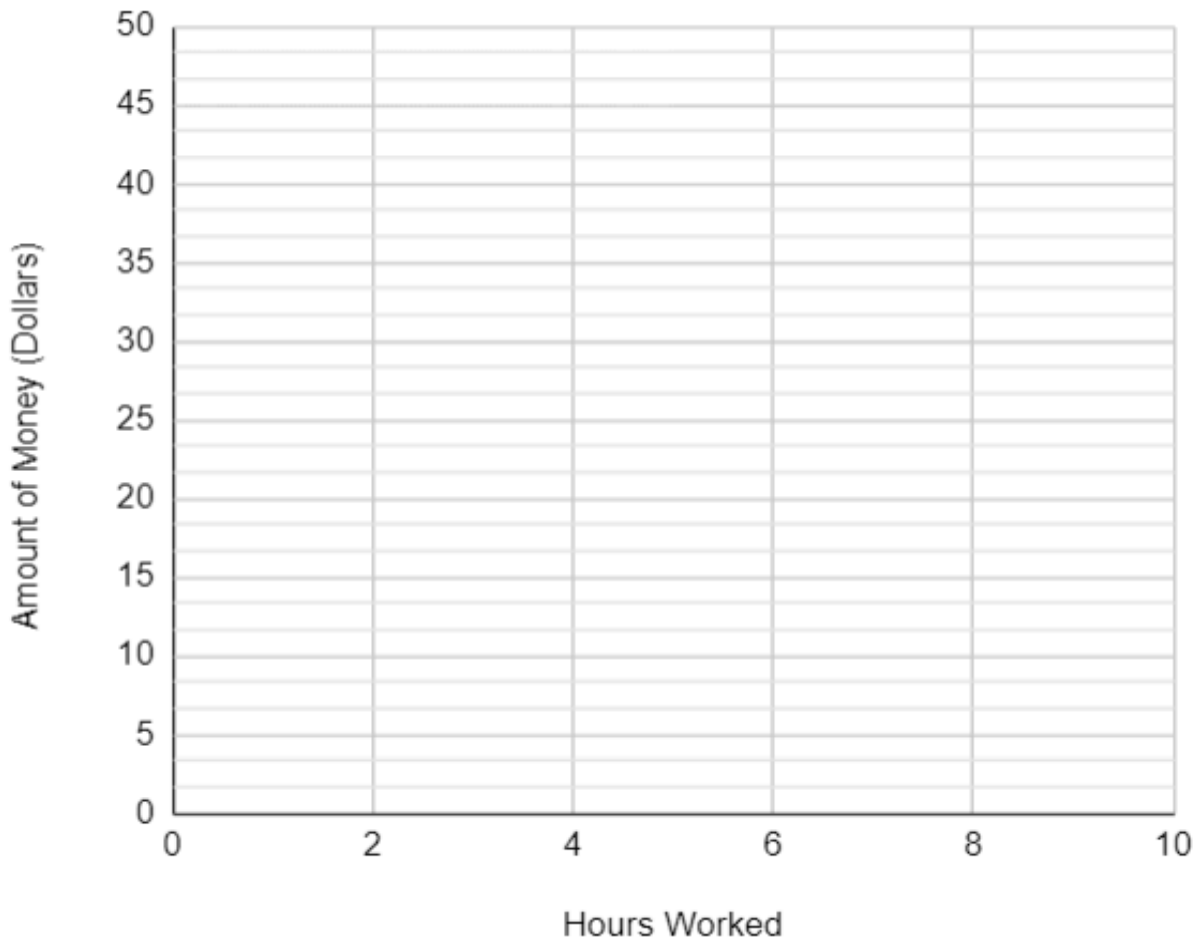
| Mai's Earnings |                 | Priya's Earnings |                 |
|----------------|-----------------|------------------|-----------------|
| Hours Worked   | Amount of Money | Hours Worked     | Amount of Money |
|                | 14              | 0                |                 |
| 1              |                 |                  | 8.40            |
| 2              |                 |                  | 16.80           |
|                | 49              | 5                |                 |
| 8              |                 |                  | 67.20           |
|                | 64              | 10               |                 |

Below is a space if you need to show calculation work:



## Day 14/15 Homework

For each of them, graph the amount of money (y) for the number of hours (x) they work by plotting points from the table.



Priya and Mai have agreed to go to the movies the weekend after they have earned the same amount of money for the same number of work hours.



- How many hours do they each have to work before they go to the movies?
- How much will each of them have earned?

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3. Benji and Greer are drinking boba. Benji starts with 12 ounces and drinks  $\frac{1}{4}$  an ounce per second. Greer starts with 20 ounces and drinks  $\frac{2}{3}$  an ounce per second.

a. How long will it take Benji and Greer to finish their boba?



b. Now on the graph, do the following:

1. label your x-axis and y-axis
2. Highlight any intercepts and intersection points

