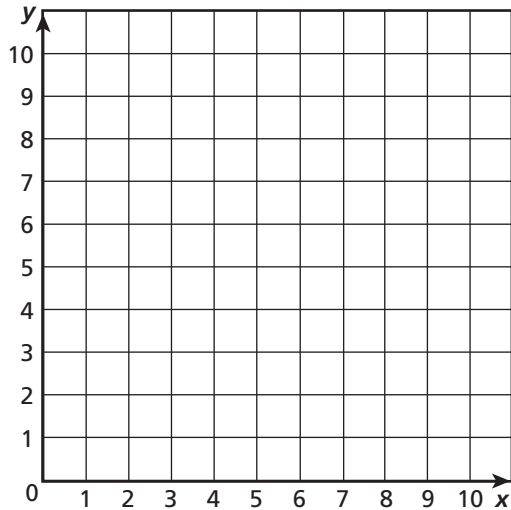


7-7 Homework

Name _____

Date _____

- 1 On the coordinate plane below, plot and label points to design your own constellation. When you return to class, share your constellation with your class.



- 2 Write the name of your constellation.

- 3 Write the order in which your points are to be connected.

- 4 Explain how you can tell that two points will be on the same horizontal line just by looking at their coordinates.

- 5 Explain how you can tell that two points will be on the same vertical line just by looking at their coordinates.

Write and solve an equation to solve the problem.

- 1 A group of 25 classmates visits an amusement park. When they arrive, $\frac{3}{5}$ of the students want to ride the fastest roller coaster first. How many students is this?

Nicole makes \$8 per hour working at a daycare center.

- 2 Complete the table.

Time (hr)	0	1	2	3
Earnings (\$)		8		

- 3 Write the ordered (x, y) pairs the data represent. Then graph and connect the points and extend the line.

_____, _____, _____, _____

- 4 How much money would Nicole make in $2\frac{1}{2}$ hours? Explain your answer.

- 5 **Stretch Your Thinking** Which points listed lie on the line? Which points do not lie on the line? Explain.

$(0, 5)$ $(1, 5)$ $(2, 4)$ $(3, 6)$ $(4, 3)$

