

Name:

Answers!

Class:



Communication



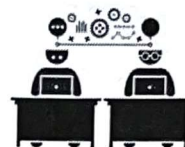
Successful Partnership



Encouragement



Solving Problem Together

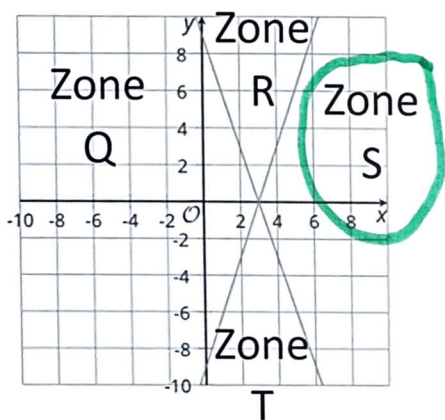


Collaboration

Key! Try easy to work with pairs in each Zone!

Question 01

The graphed lines are of $3x - y = 9$ and $y = -3x + 9$.



Zone Q
Would
(0,0)
work
for
both?
No.

Zone R
Would
(0,10)
work
for
both?
No.

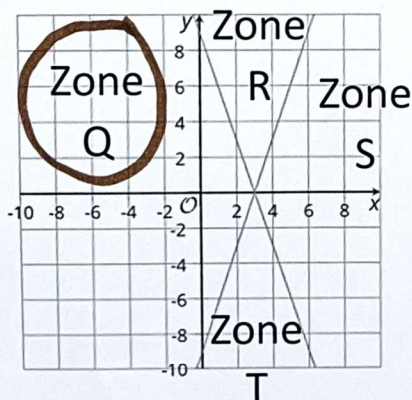
$$\begin{cases} 3x - y > 9 \\ y > -3x + 9 \end{cases}$$

Zone S
Would
(10,0)
work
for
both?
Yes!

Zone T
Would
(0,-10)
work
for
both?
No.

Question 02

The graphed lines are of $3x - y = 9$ and $y = -3x + 9$.



Zone Q
Would
(0,0)
work
for
both?
Yes!

Zone R
Would
(0,10)
work
for
both?
No.

$$\begin{cases} 3x - y < 9 \\ y < -3x + 9 \end{cases}$$

Zone S
Would
(10,0)
work
for
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No.

Zone T
Would
(0,-10)
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No.

Question 02

A teacher needs at least 8 snacks for her student club, but will get as many as her budget allows. Her choices are either granola bars, x , or bags of chips, y . Granola bars cost \$1.00 each and bags of chips cost \$1.50 each. Her budget is \$9.

Part A Write an inequality representing the number of snacks she can buy.

$$x + y \geq 8$$

Part B Write an inequality representing her budget.

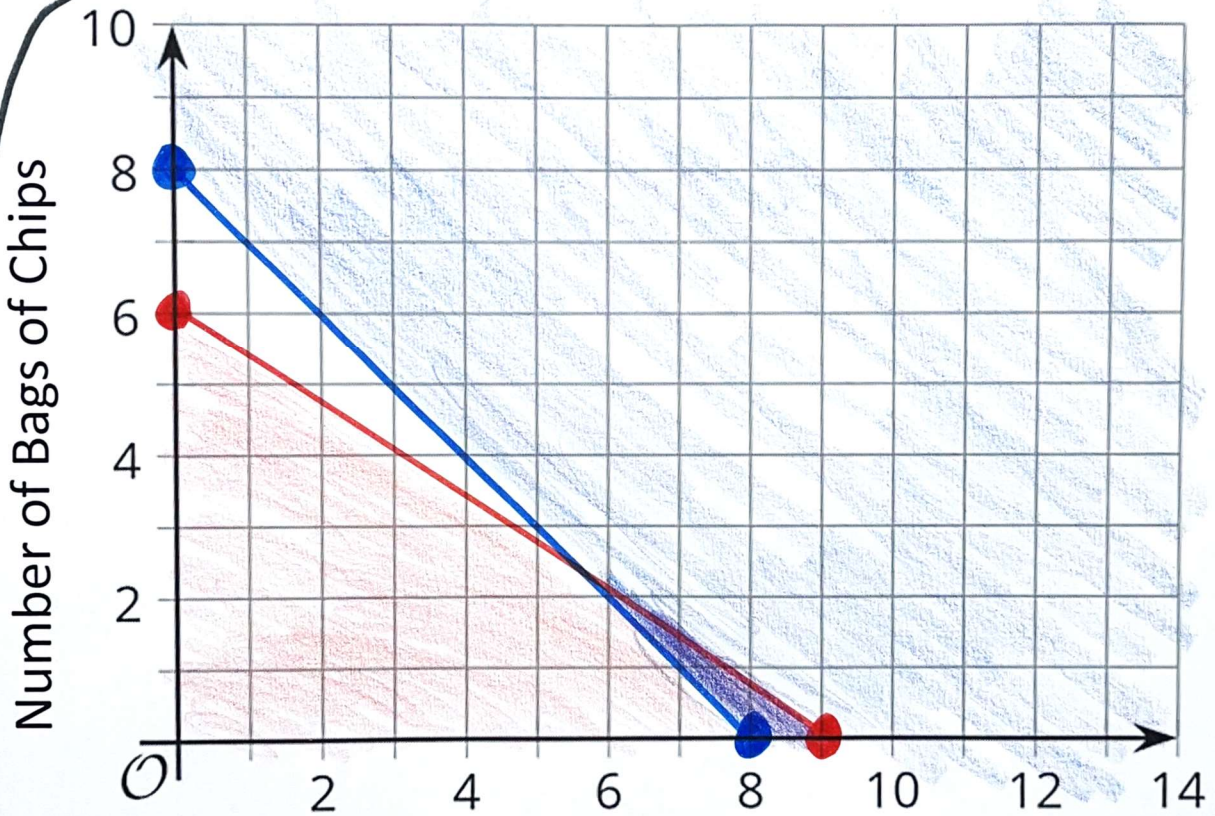
$$x + 1.5y \leq 9$$

Part C Graph the inequalities.

find the zeroes $(8,0)$ & $(0,8)$

Part D What are some of her options?

find the zeroes $(9,0)$ & $(0,6)$



- 8 granola bars & 0 chips $(8,0)$ 9 bars & 0 chips $(9,0)$
- 7 granola bars & 1 chip $(8,1)$ $(9,0)$ Topic 2-7
- 6 granola bars & 2 chips $(6,2)$