

# Lesson 3

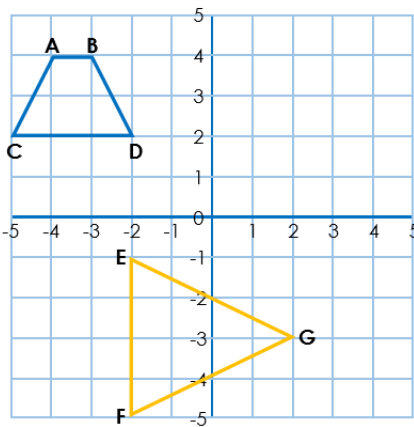
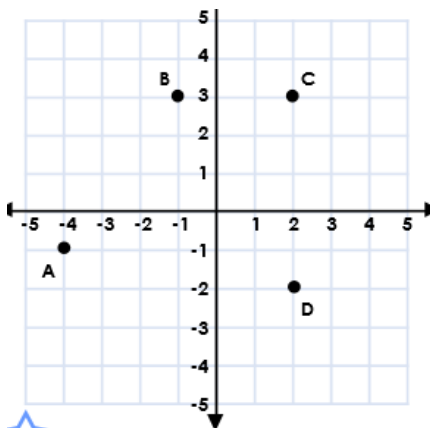
L.O I am learning to read and plot coordinates in four quadrants.

<b>All</b>	All of you must complete the fluency section.
<b>Most</b>	Most of you will complete the fluency and reasoning sections.
<b>Some</b>	Some of you will complete the fluency, reasoning, and problem-solving sections.

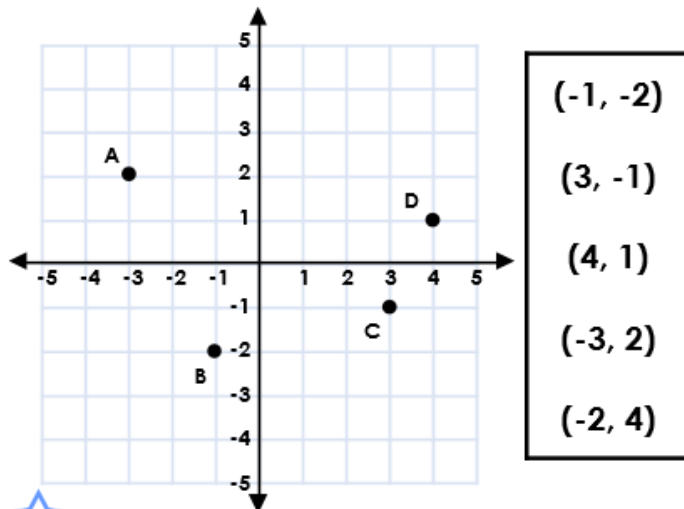
Try your best – it is all we can ask for! 😊

This video may help if you are stuck at any point:

## Fluency

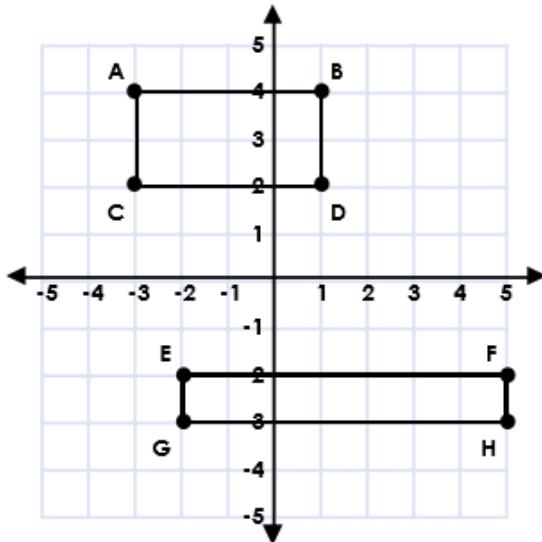
	Your answer
<p>1.</p> <p style="text-align: center;">Write the coordinates of the shapes.</p> <div style="display: flex; justify-content: space-around; margin-bottom: 10px;"> <div style="border: 1px solid #008000; border-radius: 10px; padding: 2px 10px;">A __, __</div> <div style="border: 1px solid #008000; border-radius: 10px; padding: 2px 10px;">B __, __</div> <div style="border: 1px solid #008000; border-radius: 10px; padding: 2px 10px;">C __, __</div> <div style="border: 1px solid #008000; border-radius: 10px; padding: 2px 10px;">D __, __</div> </div>  <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid #FFA500; border-radius: 10px; padding: 2px 10px;">E __, __</div> <div style="border: 1px solid #FFA500; border-radius: 10px; padding: 2px 10px;">F __, __</div> <div style="border: 1px solid #FFA500; border-radius: 10px; padding: 2px 10px;">G __, __</div> </div>	<p>A -4, 4            B -3, 4            C -5, 2            D -2, 2            E -2, -1            F -2, -5            G 2, -3</p>
<p>2. Match the coordinates to the points on the grid.</p>  <div style="border: 2px solid black; padding: 10px; margin-left: 20px; width: fit-content;"> <p>(2, 3)</p> <p>(2, -2)</p> <p>(-1, 3)</p> <p>(-4, -1)</p> <p>(0, -3)</p> </div>	<p>A (-4, -1),            B (-1, 3),            C (2, 3),            D (2, -2)</p>

3. Match the coordinates to the points on the grid.



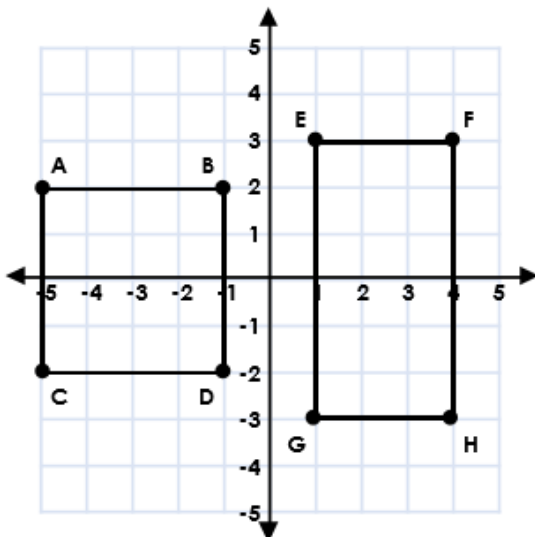
A (-3, 2),  
B (-1, -2),  
C (3, -1),  
D (4, 1)

4. Write the coordinates of each shape.



A (-3, 4),  
B (1, 4),  
C (-3, 2),  
D (1, 2),  
E (-2, -2),  
F (5, -2),  
G (-2, -3), H (5, -3)

5. Write the coordinates of each shape.



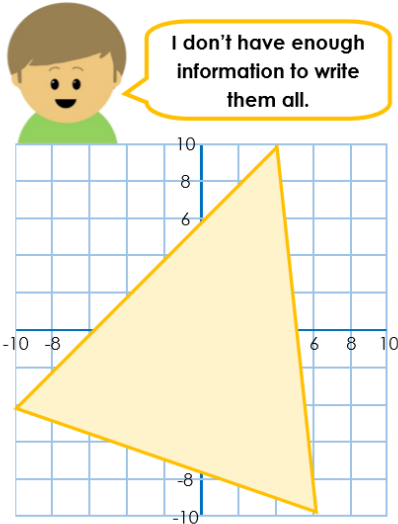
A (-5, 2),  
B (-1, 2),  
C (-5, -2),  
D (-1, -2),  
E (1, 3),  
F (4, 3),  
G (1, -3),  
H (4, -3)

# Reasoning and Problem Solving

## Your answer

1.

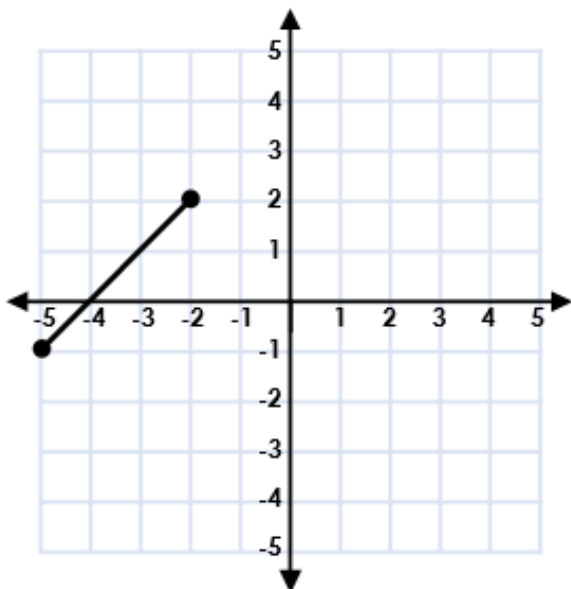
Jerry has been asked to write the coordinates of the shape on the grid. Do you agree with him? Explain why.



Reasoning 2

Pupil responses should show that they do not agree with Jerry. Modelled DAB Reasoning Response D – I do not agree with Jerry. A – He does have enough information to write them all. B – Jerry can use the axes that he can see to help him work out the missing coordinates. The gridlines go up in 2s so he can count along the squares in 2s to work out the covered numbers. A = (4, 10), B = (-10, -4) and C = (6, -10).

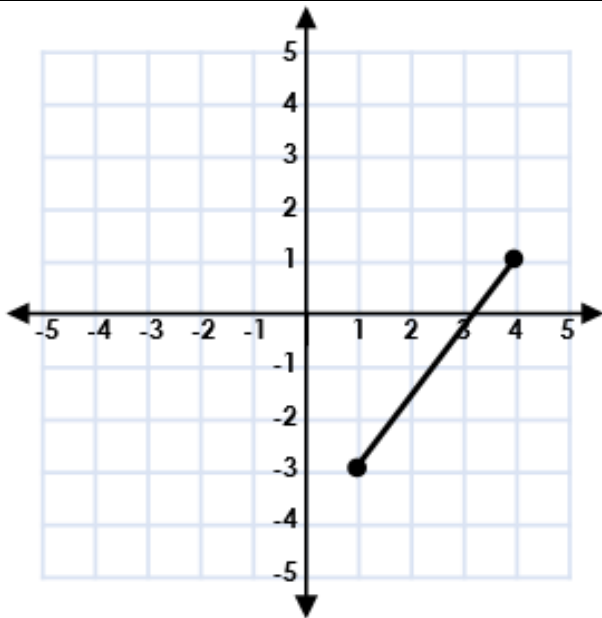
2. Stan is plotting the coordinates of a triangle with a vertical line of symmetry. Find the missing coordinate.



(1, -1)

3. Lisa is plotting the coordinates of a triangle with a horizontal line of symmetry. Find the missing coordinate.

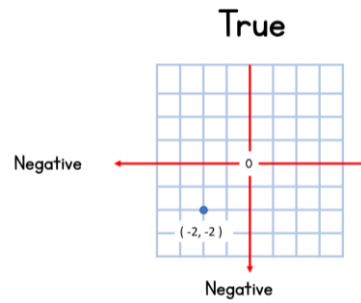
(1,5)



True or False?

Four quadrants

If a coordinate has two negative values,  
it will be in the lower left quadrant.



4.