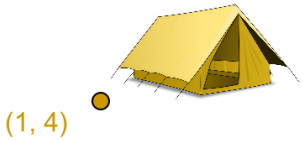
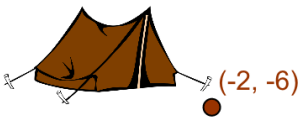
Rich Task 1- Problem

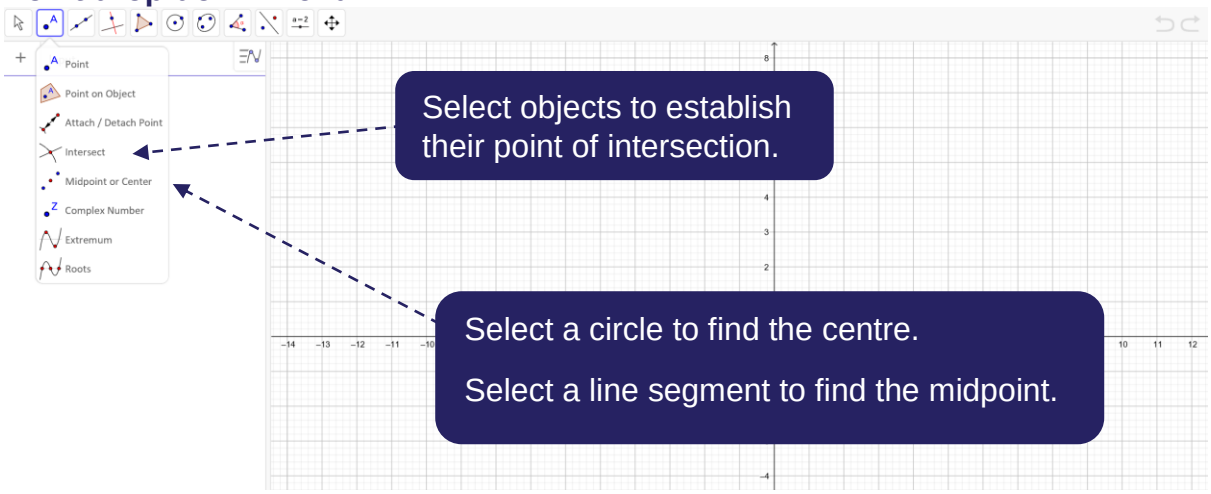
A Scout Troop have pitched 3 tents to sleep in and wish to build one fire to cook with. Where is the fairest location for the fire?



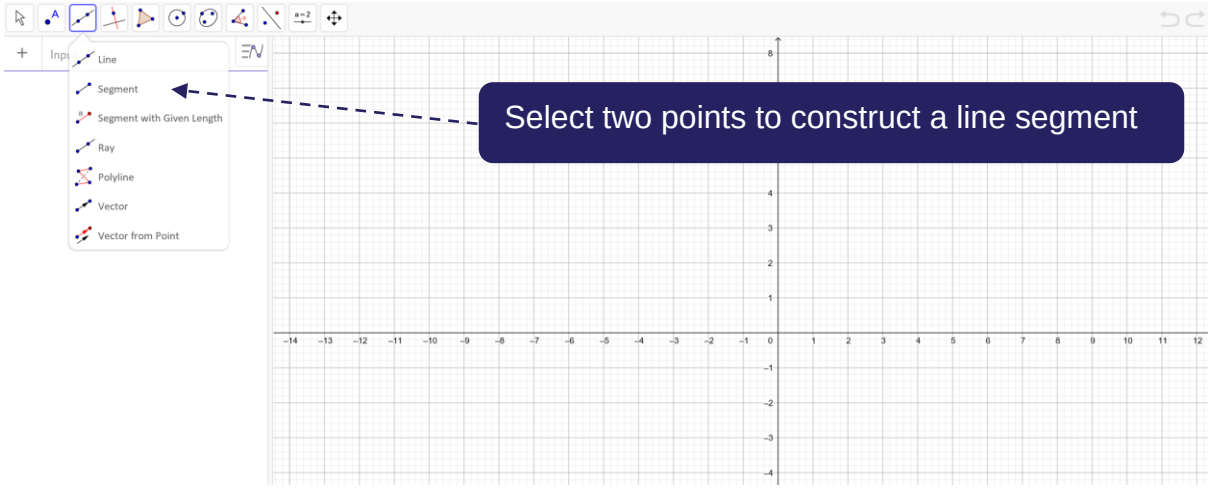


Rich Task 1- Cheat Sheet

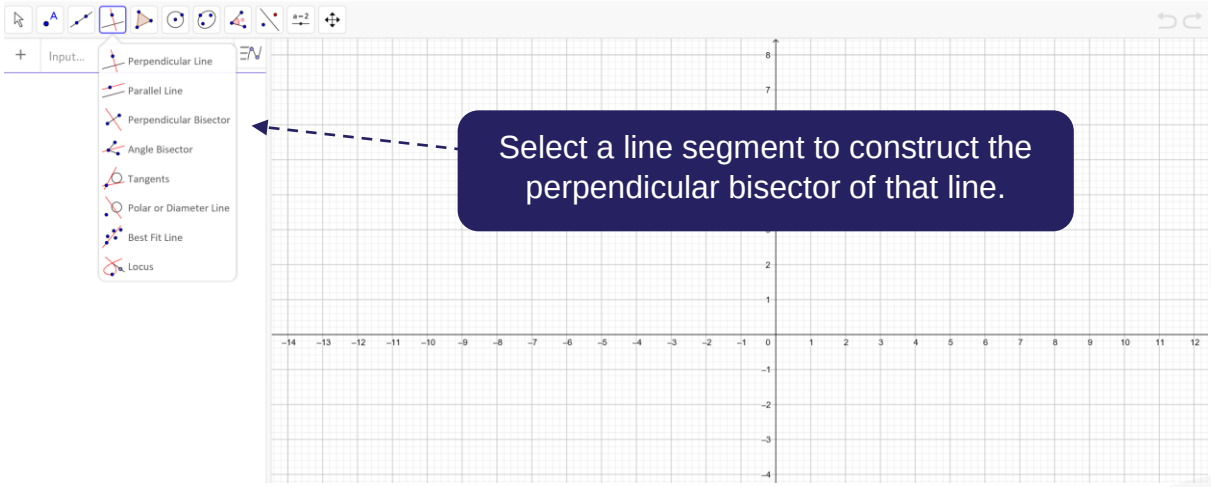
Point drop-down menu



Types of lines drop-down menu



Interacting lines drop-down menu



Rich Task 1- Questioning

Bloom's Taxonomy

L1: How do you plot a point? (Requires students **remember** how to use GeoGebra to plot points)

L2: Can you find the fairest point between 2 of the tents? (**Understanding** of midpoint)

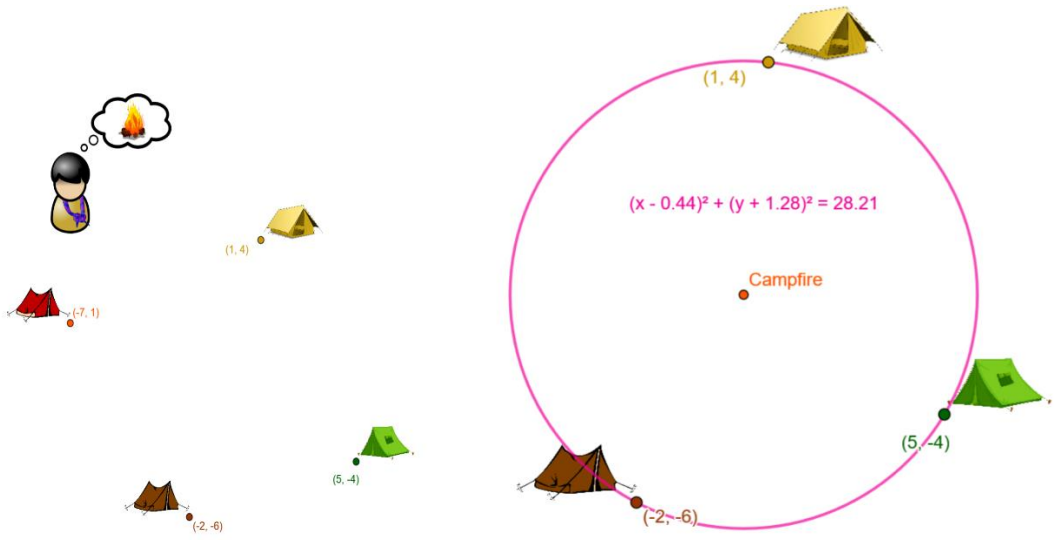
L3: How can I find the fairest point between 3 tents? (Must **apply** understanding of bisecting lines to find the circumcentre)

L4: What is the relationship between the synthetic and coordinate geometry in this task? (**Analyse** the connection between algebra and geometry)

L5: Would this solution work if there were more than 3 tents? (**Evaluate** the solution to the problem and if it applies to multiple contexts)

L6: Could you create a similar problem? (**creating** new problem)

Prompts for Extension Questions



Triangles	Acute	Right Angled	Obtuse
Is the triangle always?			
Is the circumcentre always inside the triangle?			