Find the Hidden Treasure!

You are on a deserted island and have found a treasure map! Each clue will give you a coordinate point (for example, E7) where the treasure is buried. When you have found all of the treasure chests, use the numbers of the coordinates to generate the final lock code.

Use a compass and straightedge only. Measurement with rulers is not allowed. Make sure to show all evidence of your constructions.

Explain how you found each treasure chest. Write complete sentences and use correct grammar. Your explanations should be detailed and clearly describe which constructions you used. Include any definitions you needed to help you find the treasure.

TO TURN IN: (1) Treasure map with construction markings (2) List of coordinates of treasure chests and final lock code (3) Explanation of constructions

Grading Rubric for Treasure Hunt Project

Number of Points	Use of Compass Constructions (x2)	Explanation (x2)	Correct coordinates and code	
4	Evidence of each compass construction shown	Explanation for each construction is detailed and well-written	All coordinates and entire code is correct	
3	Evidence of most compass constructions shown	Explanation for each construction is adequate and acceptably written	Most coordinates are correct and code is partially correct Most coordinates and code are incorrect	
2	Partial or incorrect constructions shown	Explanations are very basic and/or some explanations are missing		
1	Construction markings are not visible	No explanations	None of the coordinates are correct	

A: 18 – 20

B: 14 – 17 C: 9 – 13 D: 6 – 8 F: 0 – 5

These scores will be converted to a grade out of 50 points.

Treasure chest #	Clues:	Coordinate:
1	The first treasure chest is buried equidistant from the tree on 3 Bone Island (D1) and the tree on Four Palms Beach (H5). The first treasure chest is buried equidistant from 3 Bone Island Tree (A3) and 3 Bone Island Tree (D1)	
2	The second treasure chest is less than 2 meters from the tree at Double Palm Rise. The second treasure chest is closer to the Yellow Creek River mouth (H18) than the Double Palm Rise tree.	
3	The third treasure chest is due west from the tree on Eight Hill Coconuts and due north from Pythagoras Peak	
4	The fourth treasure chest requires you to travel northwest from Glutton Rock (hint: find the angle bisector of North and West). The fourth treasure chest requires you to travel southwest from Six Palm Point (hint: find the angle bisector).	
5	The fifth treasure chest is equal distance from Pythagoras Peak and the Lone Leaning Tree. The fifth treasure is on the Blue Bay Beach.	

Hints:

Measure from the base of all trees
Measure from the top of all mountains
Each square represents 1 square cm on paper and 1 square meter on the island
All parts of a clue must be true for each treasure chest

Lock Code: (one digit per box)

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