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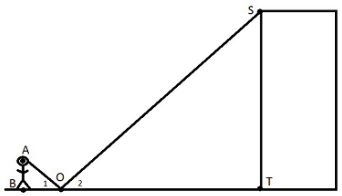
You want to find the height of a particular building. You have been told that if you place a mirror away from you where you can see the top of the building, you will have similar triangles. In the picture, point O is the location of the mirror where you friend Julie can see the top of the building. The measurements in inches for the picture are as follows and might not be drawn to scale: $AB = 64$, $BO = 63$, and $OT = 387$. What is the height of the building to the nearest inch?



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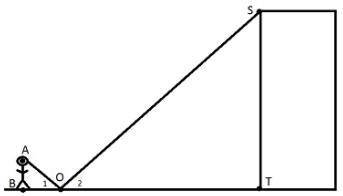
You want to find the height of a particular building. You have been told that if you place a mirror away from you where you can see the top of the building, you will have similar triangles. In the picture, point O is the location of the mirror where you friend Billy can see the top of the building. The measurements in inches for the picture are as follows and might not be drawn to scale: $AB = 63$, $BO = 66$, and $OT = 373$. What is the height of the building to the nearest inch?



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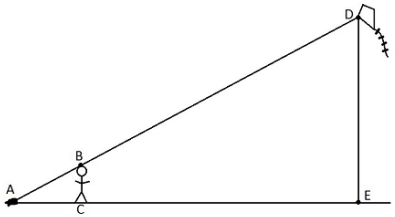
Ethan thinks he will be able to find how high his kite is flying. First, he lets out 122 feet of string and ties the end to a rock on the ground. He then finds the location on the string where his head touches while standing up straight forming a right angle with the ground. The measurements are as follows: $AB = 14$ feet and point B is 5 feet above the ground. To the nearest foot, how many feet high is Ethan's kite?



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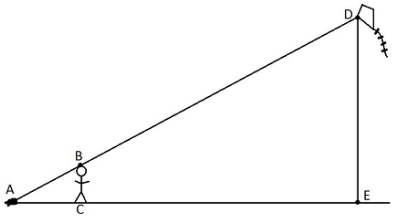
Alex thinks he will be able to find how high his kite is flying. First, he lets out 134 feet of string and ties the end to a rock on the ground. He then finds the location on the string where his head touches while standing up straight forming a right angle with the ground. The measurements are as follows: $AB = 13$ feet and point B is 5 feet above the ground. To the nearest foot, how many feet high is Alex's kite?



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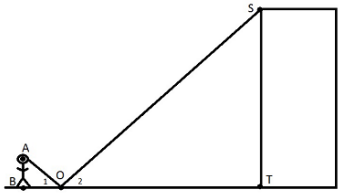
You want to find the height of a particular building. You have been told that if you place a mirror away from you where you can see the top of the building, you will have similar triangles. In the picture, point O is the location of the mirror where you friend Julie can see the top of the building. The measurements in inches for the picture are as follows and might not be drawn to scale: $AB = 67$, $BO = 66$, and $OT = 395$. What is the height of the building to the nearest inch?



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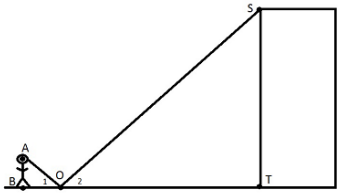
You want to find the height of a particular building. You have been told that if you place a mirror away from you where you can see the top of the building, you will have similar triangles. In the picture, point O is the location of the mirror where you friend Sarah can see the top of the building. The measurements in inches for the picture are as follows and might not be drawn to scale: $AB = 72$, $BO = 69$, and $OT = 350$. What is the height of the building to the nearest inch?



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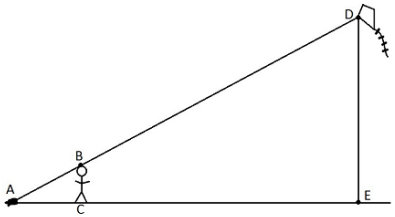
John thinks he will be able to find how high his kite is flying. First, he lets out 130 feet of string and ties the end to a rock on the ground. He then finds the location on the string where his head touches while standing up straight forming a right angle with the ground. The measurements are as follows: $AB = 11$ feet and point B is 5 feet above the ground. To the nearest foot, how many feet high is John's kite?



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John thinks he will be able to find how high his kite is flying. First, he lets out 146 feet of string and ties the end to a rock on the ground. He then finds the location on the string where his head touches while standing up straight forming a right angle with the ground. The measurements are as follows: $AB = 10$ feet and point B is 5 feet above the ground. To the nearest foot, how many feet high is John's kite?