

If you need this document in another format, please email

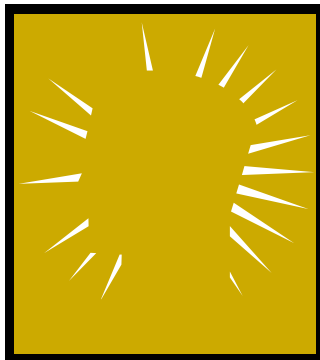
*University of North Georgia
Mathematics Tournament
April 7, 2018*

Each bag to be loaded onto a plane weighs either 12, 18 or 22 lb. If the plane is carrying exactly 1000 lb. of lu

*University of North Georgia
Mathematics Tournament
April 7, 2018*



Suppose there is a 40% chance of getting freezing rain, a 10% chance of getting snow and freezing rain, and an 80% chance of getting snow or freezing rain. Find the chance of getting snow.



If you need this document in another format, please contact su.kim@ung.edu or call 678-717-3546.

If you need this document in another format, please email minsukim@ung.edu or call 678-717-3546.

*University of North Georgia
Mathematics Tournament
April 7, 2018*

Distinct points A , B , C , and D lie on the circle $x^2 + y^2 = 25$ and have integer coordinates. The distances AB and CD are irrational numbers.

What is the greatest possible value of the ratio $\frac{AB}{CD}$?

If you need this document in another format, please email minsukim@ung.edu or call 678-717-



*University of North Georgia
Mathematics Tournament
April 7, 2018*



If the 3rd and 12th terms of an arithmetic sequence are -7 and 56, respectively, then 28 is which term of the sequence?

