



April 8, 2017

■ RIT Competition ■
Target Round
Problems 1 - 4

Name _____

**DO NOT BEGIN UNTIL YOU ARE
INSTRUCTED TO DO SO.**

This section of the competition consists of 8 problems. You will work on four problems, and answers will be collected, before the next four are distributed. The time limit for each set of four problems is 12 minutes. When told to do so, write your name on this page. When instructed to begin, pick up your pencil and begin working. You are allowed to use a basic calculator. You are not allowed to use books or other aids during this round. Calculations may be done on scratch paper. All answers must be complete and legible. If the answer is expressed in common fraction, reduce the fraction to lowest terms. Record your final answer in the designated space on the problem sheet. If you complete the problems before time is called, use the time remaining to check your answers.

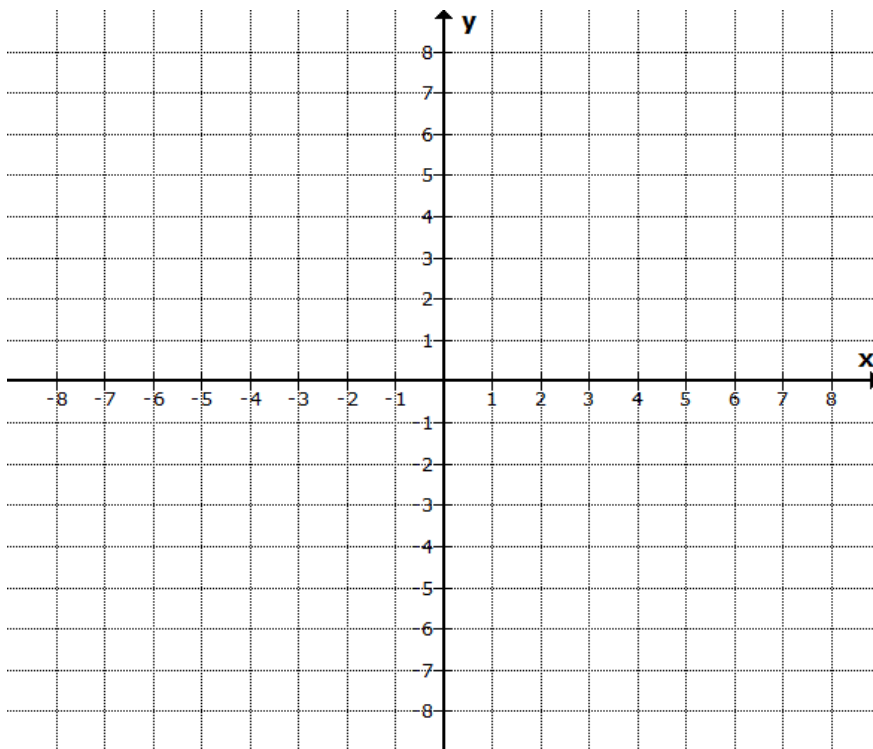
Total Correct	Scorer's Initials

1. Willis rode his bike $6\frac{1}{2}$ miles while Gia rode her bike $6\frac{2}{3}$ miles. How much further did Gia ride her bike than Willis? Write your answer as a common fraction.

1. _____ miles

2. The point is moved up 6 units and left 3 units. It ends at (2, 2). What are the coordinates (x, y) of the starting point?

2. _____



3. If the cost to feed a family of four is \$250, how much will it cost to feed a family of six?

3. \$ _____

4. Find the circle's area if the diameter is 6 inches. Express your answer in term of π .

4. _____