

Name: _____ Troop # _____ Score _____ Date: _____

Boy Scouts of America Surveying Merit Badge (#109) Quiz

1. Name 3 famous surveyors:

2. Identify the survey equipment set up:

1. _____

a. GPS

2. _____

b. Total Station

3. _____

c. Level

4. _____

d. Level Rod

5. _____

e. Tape or Chain

6. _____

f. Prism

7. _____

g. Plumb Bob

8. _____

h. Compass

3. Which tools and methods are best suited to measure:

1. A distance less than 100 feet? _____

a. GPS

2. A distance of about 2000 feet? _____

b. Total Station/EDM

3. A distance of more than 2 miles? _____

c. Level & Level Rod

4. The distance across a river about 3000 feet wide and having heavy tree cover? _____

d. Tape or Chain

5. The vertical distance between 2 points? _____

e. Triangulation/Trilateration

4. If you make a mistake in your field notes, what should you do? _____

5. If the scale is 1"=300', what is the distance between point A and point B? _____

A _____ B

6. When should you have a survey done? _____

7. How long does it take to become a surveyor (hint: the minimum time required for education and experience combined)? _____

*Bonus: 1 Bonus Point for each correct answer!

Name as many jobs a surveyor may perform as you can: _____
