Willard Middle School – Mathematics

FORMATIVE TEST – Power Standard 8:3

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_\_\_

Show work for each problem.

1. Divide 42 by 55 and round your answer to the nearest hundredth.
2. Solve x2=17 and round your answer to the nearest tenth.
3. If the sides of a right triangle are 15 m, 9 m, and 12 m, identify the two legs and the hypotenuse. Between which 2 sides is the right angle?
4. (9.5)2-(4.6)2=\_\_\_\_\_
5. Solve the following equation. Round to the nearest tenth if necessary.

42+b2=152

1. Graph the points (4,8) and (1,3) on a coordinate plane. Find the distance between the two points.



1. Two cars starting at the same place travel different directions. One car travels west at 65 mph. The other car travels south at 70 mph. How far apart will the cars be after 4 hours? Draw a picture of the situation and round your answer to the nearest tenth.