

Name _____

13-4A Lesson Master**Questions on SPUR Objectives**

See pages 833–835 for objectives.

SKILLS Objective B

In 1-6, find the two numbers that satisfy the given conditions.

1. $a + b = 17, ab = 60$ _____

2. $m + n = -13, mn = 36$ _____

3. $cd = 20, c + d = 10.5$ _____

4. $xy = -48, x + y = 2$ _____

5. $u + v = 1.6, uv = -7.77$ _____

6. $rs = 196, r + s = 28$ _____

7. An exterior decorator was hired to landscape 152 square meters of land in the shape of a rectangle. The amount of fencing the landscaper needed to enclose the land was 51 meters. What are the dimensions of the land being landscaped? _____

8. Mr. Green is the head of the ground crew for maintaining the athletic fields at North High School. Recently he had to cover a lacrosse field with 6,600 square yards of sod. Once the grass had grown, he had to paint the white strip around the perimeter of the field, which is 340 yards. What are the dimensions of the lacrosse field? _____

9. Explain why there are no real numbers whose sum is 13 and whose product is 47.
