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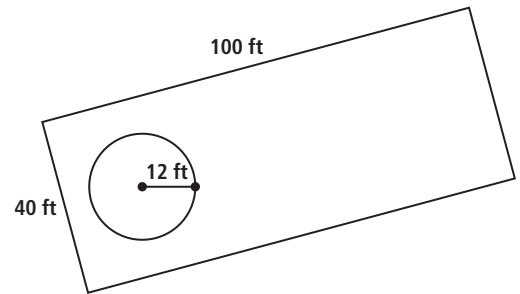
# 5-8A Lesson Master

## Questions on SPUR Objectives

See pages 320–323 for objectives.

### USES Objective I

1. A 40 ft by 100 ft yard is guarded by a bulldog on a 12 foot chain. A group of children hit a softball into the yard. What is the probability that it lands within reach of the dog?



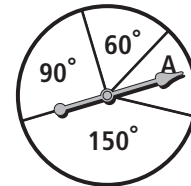
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2. Jean is nervous about marching in a parade in Washington, D.C., which will go past a reviewing stand where the President will be sitting. The parade route is shown. The portion between A and B is in view of the reviewing stand. If Jean trips at a random point along the route, what is the probability that it is in sight of the President?



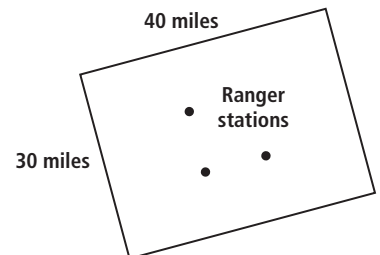
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3. If a spinner is spun on the figure at the right, what is the probability that it will land in region A?



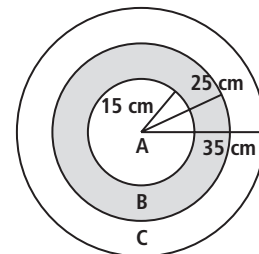
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4. A pilot makes an emergency landing in a park. He knows he is somewhere within the 30 mile by 40 mile region pictured at the right. He also knows the location of three ranger stations. What is the probability that he is within one mile of a ranger's station?



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5. The circles in the target, pictured at the right, have radii of 15 centimeters, 25 centimeters, and 35 centimeters. If an arrow is fired randomly at the target, what is the probability that it will land in region B?



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