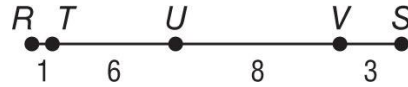# 13-3 Practice
Geometric Probability
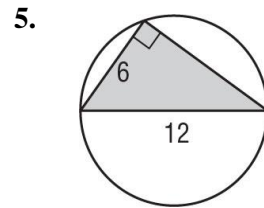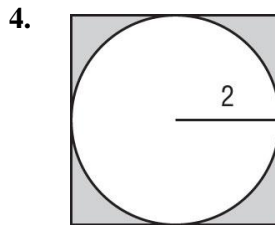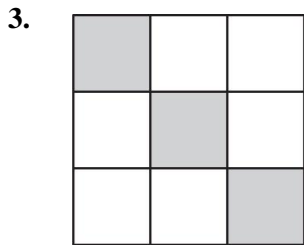
Point *L* is chosen at random on $\overline{RS}$. Find the probability of each event.

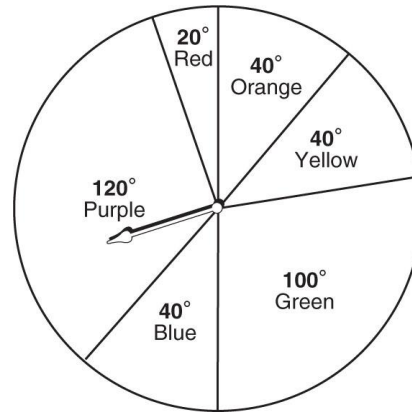**1.** $P(L$ is on $\overline{TV}$)

2. $P(L$ is on $\overline{US})$

R T   U   V S

1   6   8   3

Find the probability that a point chosen at random lies in the shaded region.

3.

4.

2

5.

6

12

Use the spinner to find each probability. If the spinner lands on a line it is spun again.

6. P(pointer landing on purple)

7. P(pointer landing on red)

20°
Red

40°
Orange

40°
Yellow

120°
Purple

100°
Green

40°
Blue

8. PIGS Four pigs are lined up at the feeding trough as shown in the picture. What is the probability that when a fifth pig comes to eat it lines up between the second and third pig?

4′   6′   2′
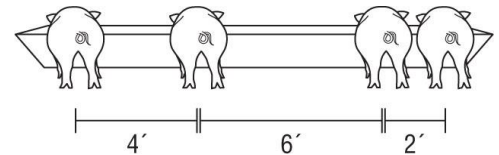
9. MUSIC A certain company plays Mozart's *Eine Kleine Nachtmusik* when its customers are on hold on the telephone. If the length of the complete recording is 2 hours long, what is the probability a customer put on hold will hear the Allegro movement, which is 6 minutes, 31 seconds long?