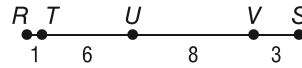


# 13-3 Practice

## Geometric Probability

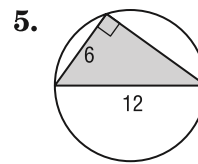
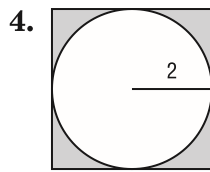
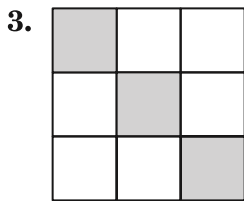
Point  $L$  is chosen at random on  $\overline{RS}$ . Find the probability of each event.

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



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

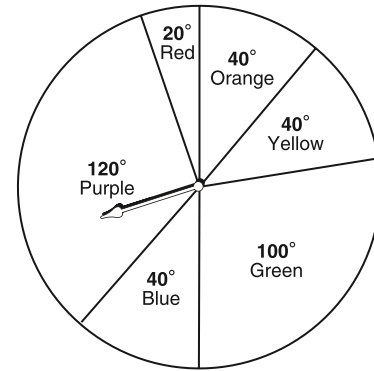
Find the probability that a point chosen at random lies in the shaded region.



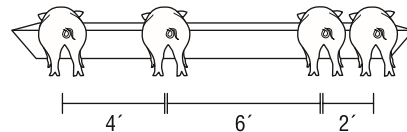
Use the spinner to find each probability. If the spinner lands on a line it is spun again.

6.  $P(\text{pointer landing on purple})$

7.  $P(\text{pointer landing on red})$



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?



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?