 **2-70.** Review how to multiply binomials by reading the Math Notes box for this lesson. Then rewrite each of the expressions below by multiplying binomials and simplifying the resulting expression.

1. (4*x* + 1)(2*x* − 7)
2. (−3*x* + 1)(2*x* − 5)

 **2-71.** The shaded triangle below is surrounded by a rectangle. Find the area of the triangle.



 **2-72.** For each diagram below, solve for *x*. Explain what relationship from your Angle Relationships Toolkit you used for each problem.

1. 
2. 
3. 
4. 

 **2-74.** What is the probability of drawing each of the following cards from a standard playing deck? Remember that a standard deck of cards includes: 52 cards of four suits. Two suits are black: clubs and spades; two are red: hearts and diamonds. Each suit has 13 cards: 2 through 10, Ace, Jack, Queen, and King.

1. P(Jack)
2. P(spade)
3. P(Jack of spades**)**
4. P(not spade)