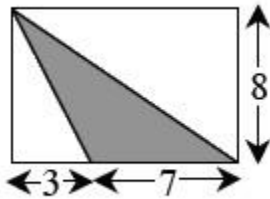


- **2-70.** Review how to multiply binomials by reading the Math Notes box for this lesson. Then rewrite each of the expressions below by multiplying binomials and simplifying the resulting expression.

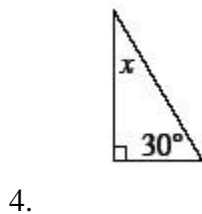
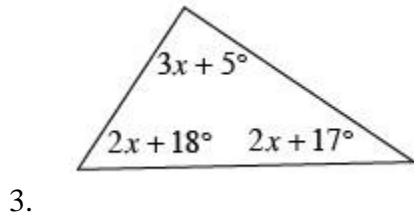
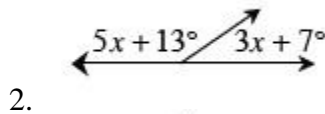
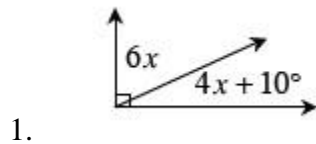
a) $(4x + 1)(2x - 7)$

d) $(-3x + 1)(2x - 5)$

- **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.



• **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. $P(\text{Jack})$
2. $P(\text{spade})$
3. $P(\text{Jack of spades})$
4. $P(\text{not spade})$