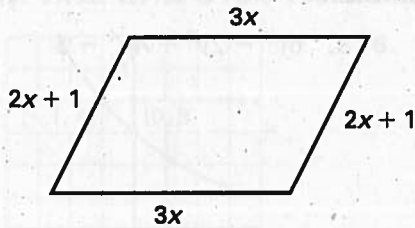
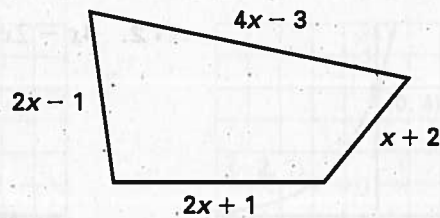


LESSON
9.1**Practice** *continued*
For use with pages 554–560**Write a polynomial that represents the perimeter of the figure.**

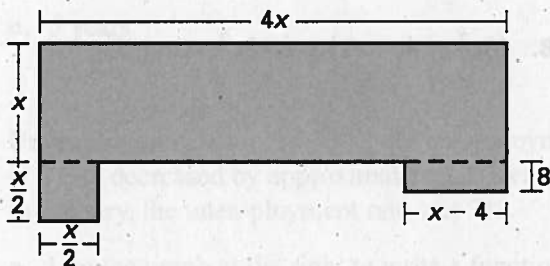
13.



14.



15. **Floor Plan** The first floor of a home has the floor plan shown. Find the area of the first floor.



16. **Profit** For 1995 through 2005, the revenue R (in dollars) and the cost C (in dollars) of producing a product can be modeled by

$$R = \frac{1}{4}t^2 + \frac{21}{4}t + 400 \quad \text{and} \quad C = \frac{1}{12}t^2 + \frac{13}{4}t + 200$$

where t is the number of years since 1995. Write an equation for the profit earned from 1995 to 2005. (*Hint: Profit = Revenue - Cost*)