

Solve.

10. The sides of a triangle have lengths of $(3x - 5)$, $(x - 7)$, and $(7x + 12)$. What is the perimeter of the triangle in terms of x ?
11. Find the perimeter of a triangle with lengths $(5x - 4)$, $(3x + 5)$ and $(6x - 12)$.
12. A hexagon has 3 sides of length $(x + 4)$ and 3 sides of length $(x - 2)$. What is the perimeter of the hexagon in terms of x ?
13. One square has a perimeter of $(3x + 8)$ ft. A second square has a perimeter of $(4x - 2)$ ft. How much larger is the second square?

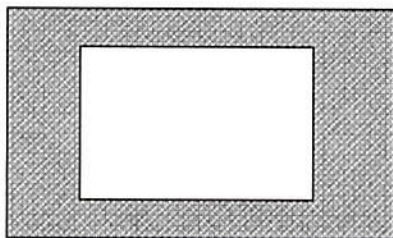
Find the total area of the polygon, given the area of each of its parts.

14.

$2x^2 + 3x + 1$	$x^2 + x$
$2x + 1$	x

_____ + _____ + _____ + _____ = _____

15.



The dimensions of the larger rectangle are $3x$ and $x + 2$.
The dimensions of the smaller rectangle are $2x$ and x .

Find the perimeter of each rectangle. Then find an expression for the number of feet of fencing you would need for the shaded region.

_____ + _____ = _____

16. Subtract $(-2x^3 + 3x - 4)$ from $(-2x^3 + 5x^2 - x + 8)$.

17. What must you add to $(3x^2 + 7x - 9)$ to get $(12x^2 - x + 6)$?