

**NOTES:** Area, Perimeter and Volume in terms of x

**QUESTIONS:** | **NOTES:**

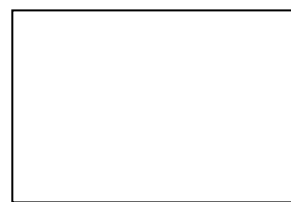
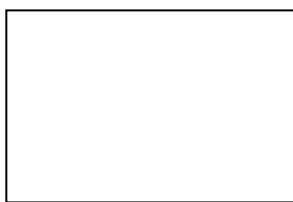
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Perimeter: \_\_\_\_\_

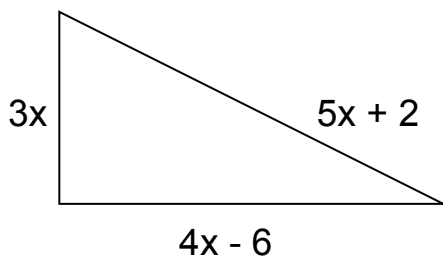
Given a rectangle with length  $(2x - 4)$  and width  $(x - 3)$  find the...

**Perimeter** in terms of x

**Area** in terms of x



Find the perimeter and area of the following triangle.



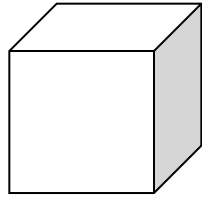
Perimeter: \_\_\_\_\_

Area: \_\_\_\_\_

Q: If the perimeter is 80, what is the value of x?

Find the volume of the following:

Cube:  $V = s^3$



$$S = 2b^3c^2$$

Find the volume of a rectangular prism with a lengths of  $2x + 4$ , and width of  $x + 1$ , and a height of  $x^2 + 9$

What is the surface area of the cylinder at the right? Write your answer in simplified form.

