

|  | $\underbrace{\text { © }}_{\text {Algebrazgo }}$ |
| :---: | :---: |
|  | Note: Recall that $x \cdot x=x^{2}$. |
|  | The term cm" is said "centimeters squared" or "square centímeters". |
|  | A parallelogram is a quadrilateral, where opposite sides are both parallel and have the same length. |
|  | The formula for the area of a parallelogram is: $A=b a s e \cdot h e i g h t-o r-A=b \cdot h$ |
|  |  |
|  | base |
|  | Example 2: Find the area of the given parallelogram. |
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|  | $\underset{\text { Algebra2go }}{\stackrel{\text { Ev }}{(1)}}$ |
| :---: | :---: |
| objective 2 | Calculate the Area of a composite Figure <br> in many cases we need to partition our figure so that it consists of familiar shapes such as parallelograms, rectangles, trapezoids, or triangles. The total area is the sum of the individual areas. |
|  | Example 6: Find the area of the figure below. 4 in . <br> 6 in. |
|  | Partition the figure into two |
|  | rectangles. Notice that you only weed the lengths related to the dimensions of each |
|  | individual rectangle. |
|  | $4 \mathrm{in}$. |
|  |  |
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$\left.\begin{array}{|c|c|c|}\hline \text { Note: Recall that } x \cdot x \cdot x=x^{3} . \\ \text { Similarly, } f t \cdot f t \cdot f t=f^{3} .\end{array}\right]$


Answer the following homework questions.
in Exercises 1 - 3, fill in the blank to make the statement true.

1) Perimeter has $\qquad$ dimension.
2) Areahas $\qquad$ dimensions.
3) volume has $\qquad$ dimensions.

Note: In Exercises 4 and 5, you will need to find missing side lengths.
4) Find the perimeter and area of the given figure.

All angles are right angles.

5) Find the volume of the given figure.


