Area of Polygons Revisited

**Notes: AREA OF POLYGONS REVISITED**

**Content Objective:** I will be able to choose the appropriate area formula, substitute the given values and solve for the unknown.

<table>
<thead>
<tr>
<th>TERM</th>
<th>DEFINITION</th>
<th>EXAMPLE</th>
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<tbody>
<tr>
<td>AREA</td>
<td>The number of square units that the surface of a two dimensional figure.</td>
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Use the necessary formulas from the formula chart:

![Formula Chart](image)

**EXAMPLE 1:** Find the area of a square with a perimeter of 48 units.

**EXAMPLE 2:** Find the area of the rectangle below.

**EXAMPLE 3:** Find the exact area of the parallelogram below.

**EXAMPLE 4:** Find the exact area of the triangle below.

**EXAMPLE 5:** Find the area of the irregular figure.

**EXAMPLE 6:** An isosceles trapezoid has legs that measure 10 cm, and bases of 12 cm and 2 cm. The base angles measure 80°. Find the exact height and the exact area.

**EXAMPLE 7:** Find the area of the trapezoid below.

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*February 25, 2015*