Geometry/Trig 2  
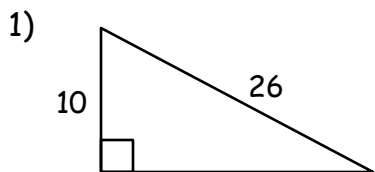11-2 Homework  

Name _____  
Date _____ Block _____

Directions: Find the area and perimeter of each triangle or parallelogram. Express your answers in simplified radical form.

1)



Area = _____

Perimeter = _____

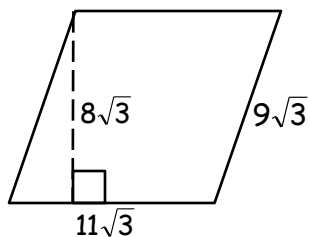2) Find the area and perimeter of a square with diagonal of length 12cm.

Area = _____

Perimeter = _____

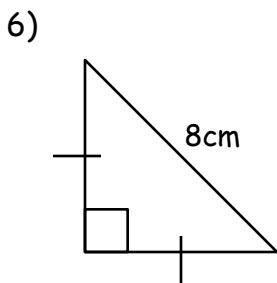3) Find the area of an isosceles triangle with base 8in. and perimeter 20in.

4) Find the area of an equilateral triangle with perimeter 24m.

5) The below figure is a parallelogram.



Area = _____

Perimeter = _____

6)



Area = _____

Perimeter = _____

7) A rhombus with diagonals of length 12ft. and 16ft.

Area = _____

Perimeter = _____

8) The base of a rectangle is $x + 5$ and the height is $x - 7$. Write an expression to represent the area and perimeter.
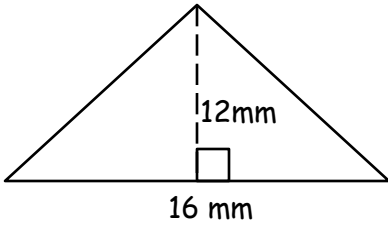
Area = _____

Perimeter = _____

Directions: Find the area and perimeter of each triangle or parallelogram.  Express your answers in simplified radical or fractional form.
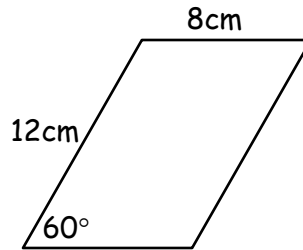
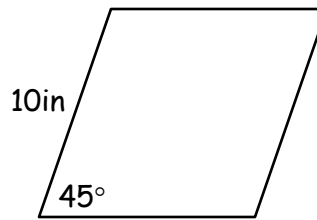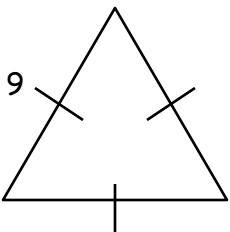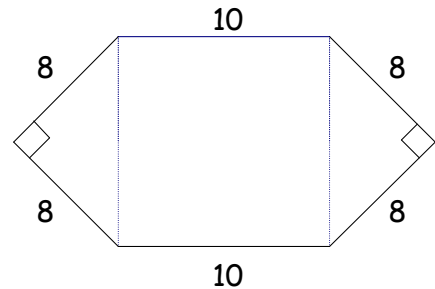| | |
|---|---|
| 9)<br><br>12mm<br>16 mm<br><br>Area = _____<br><br>Perimeter = _____ | 10)  The below figure is a parallelogram.<br><br>8cm<br>12cm<br>60°<br><br>Area = _____<br><br>Perimeter = _____ |
| 11) Find the area and perimeter of a rhombus with a side length of 5 meters and a diagonal length of 8 meters.<br><br><br><br>Area = _____<br><br>Perimeter = _____ | 12)  The below figure is a rhombus.<br><br>10in<br>45°<br><br>Area = _____<br><br>Perimeter = _____ |
| 13) Find the area of the below equilateral triangle.<br><br>9<br><br>Area = _____ | 14) Find the area of the below irregular figure.<br><br>10<br>8   8<br>8   8<br>10<br><br>Area = _____ |