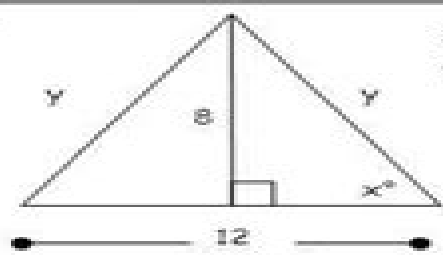


Section 4 - Directions: Calculate the value of each indicated variable. Choose the correct strategy to complete each problem. Show all work on a separate sheet of paper and place answers on the lines provided. Leave answers in radical form when necessary. Round all decimal answers to the nearest tenth.

1.)  $x = \underline{30}$
 $y = \underline{17.3}$
 $z = \underline{8.7}$

2.)  $x = \underline{4}$
 $y = \underline{2/5}$
 $z = \underline{4/5}$

3.)  $x = \underline{53}$
 $y = \underline{10}$

4.)  $x = \underline{6/2}$
 $y = \underline{3/2}$

5.) The diagonals of a rhombus have lengths of 12 and 16. Calculate the perimeter of the rhombus.
perimeter = $\underline{40}$

6.) A rectangle have a length of 2.4m and width of 0.7m. Calculate the perimeter and length of diagonal.
diagonal = $\underline{2.5}$
perimeter = $\underline{6.2}$

7.)  $x = \underline{18}$
 $y = \underline{2\sqrt{10}}$
 $z = \underline{6\sqrt{10}}$

8.) If the side of an equilateral triangle is 21, calculate length of the altitude.
altitude = $\underline{10.5/3}$

9.)  $x = \underline{20}$
 $y = \underline{10\sqrt{3}}$
 $z = \underline{10}$

10.)  $x = \underline{60}$
 $y = \underline{6}$

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