Classify \( \triangle ABC \) according to its angles.

The angles of a triangle are in a ratio of 4:5:6. Find the measure of each angle.

The sides of a triangle are in a ratio of 8:8:9. If the perimeter of the triangle is 240 cm, find the measure of each side.

Use a ruler to construct the three medians and centroid of the following triangle. Label the picture appropriately.

Given the diagram below, which of the following gives the correct relationship between \( AB \) and \( ED \)?

A. \( AB > ED \)
B. \( AB < ED \)
C. \( AB = ED \)
Classify $\triangle ABC$, according to its angles.

$A - 52^\circ$
$B - 51^\circ$
$C - 3x + 1^\circ$

 obtuse

Vertical angles
$4x - 9 = 3x + 1$
$x = 10$

The angles of a triangle are in a ratio of 4:5:6. Find the measure of each angle.

$4x + 5x + 6x = 180$
$15x = 180$
$x = 12$

The sides of a triangle are in a ratio of 8:8:9. If the perimeter of the triangle is 240 cm, find the measure of each side.

$8x + 8x + 9x = 240$
$x = 9.6$

76.8 cm, 76.8 cm, 86.4 cm

Use a ruler to construct the three medians and centroid of the following triangle. Label the picture appropriately.

Given the diagram below, which of the following gives the correct relationship between $AB$ and $ED$?

A. $AB > ED$
B. $AB < ED$
C. $AB = ED$