

Name _____
Sides/Angles of Triangles

Date _____ Class _____
Mr. Lynch

For each of the following, draw a diagram and answer the questions that follow.

1) In triangle ABC, $\angle A = 6x - 12$, $\angle B = 2x + 7$, and $\angle C = 12x - 15$. Name the shortest side of triangle ABC.

2) In triangle DEF, $\angle D = x + 7$, $\angle E = 2x - 18$, and $\angle F = x + 9$. Name the longest side of triangle DEF.

3) In triangle RST, $\angle R = 3x - 7$, $\angle S = 4x + 7$, and $\angle T = 11x - 9$. Name the shortest side of triangle RST.

4) In triangle XYZ, $\angle X = 2x + 8$, $\angle Y = 3x - 8$, and $\angle Z = 6x - 7$. Name the longest side of triangle XYZ.

5) In triangle ABC, $\angle A = 12x - 5$, $\angle B = 24x + 3$, and $\angle C = 10x - 2$. Name the medium side of triangle ABC.