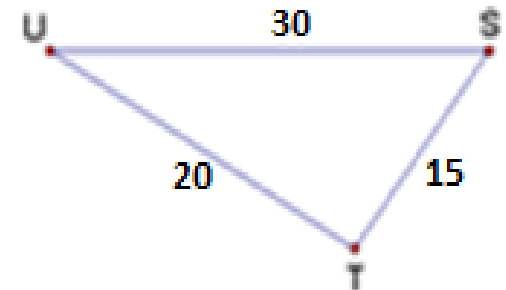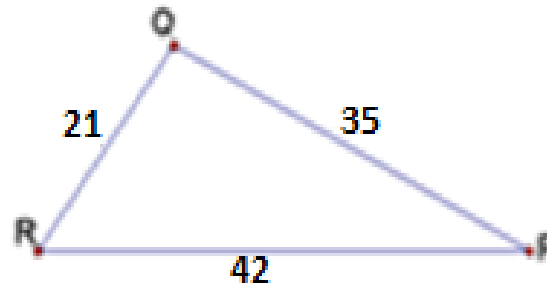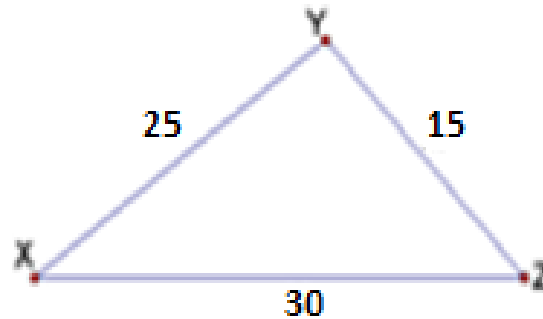$$\Delta ABC \sim \Delta DEC;\ SAS\sim$$

Solve for x

6

Is either triangle RQP or STU similar to triangle XYZ? If so, state the postulate that proves the triangles similar.
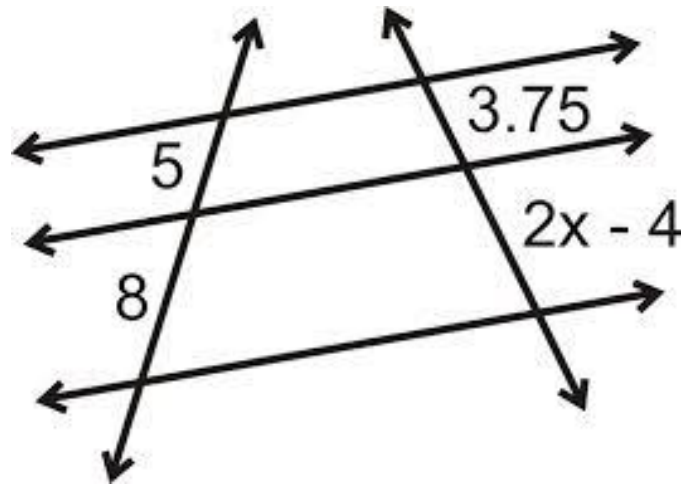
$$\Delta XYZ \sim \Delta PQR; \; SSS\sim$$

Find the coordinates of the image of triangle ABC centered at the origin and dilated with a scale factor of k = 1.5 given A(0, 4), B(2, 0) and C(-2, -4).
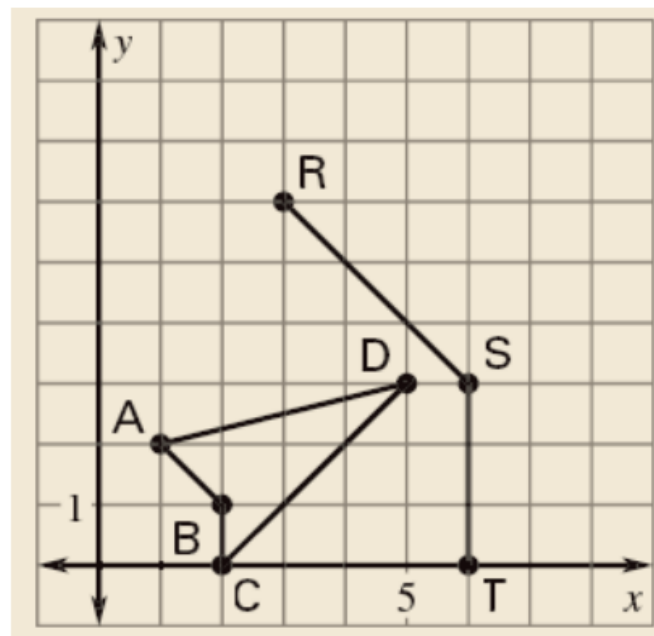
(0, 6), (3, 0), (-3, -6)

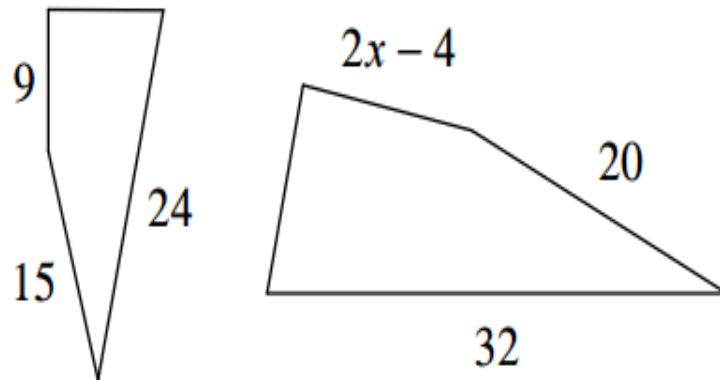**Find the value of x that make the lines parallel.**

3.75

5

2x - 4

8

5

You want to create quadrilateral RSTU that is similar to quadrilateral ABCD. What are the coordinates of U?
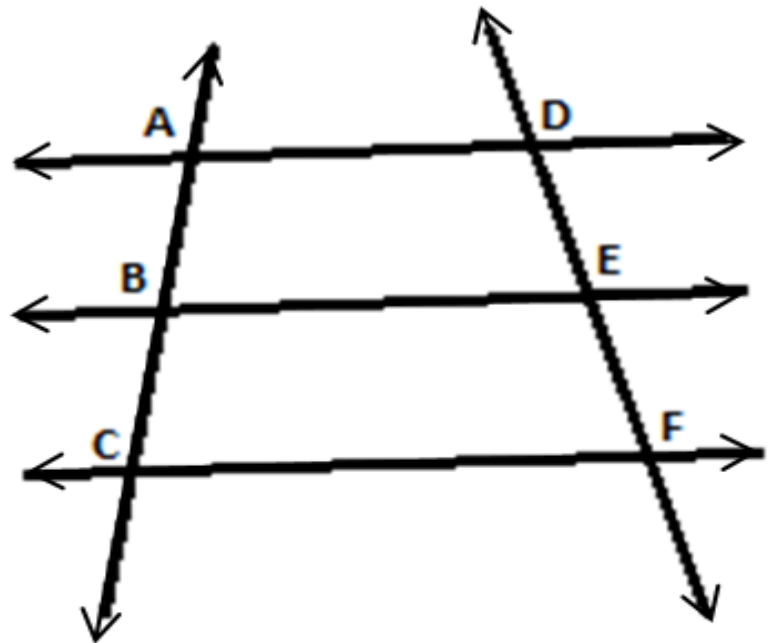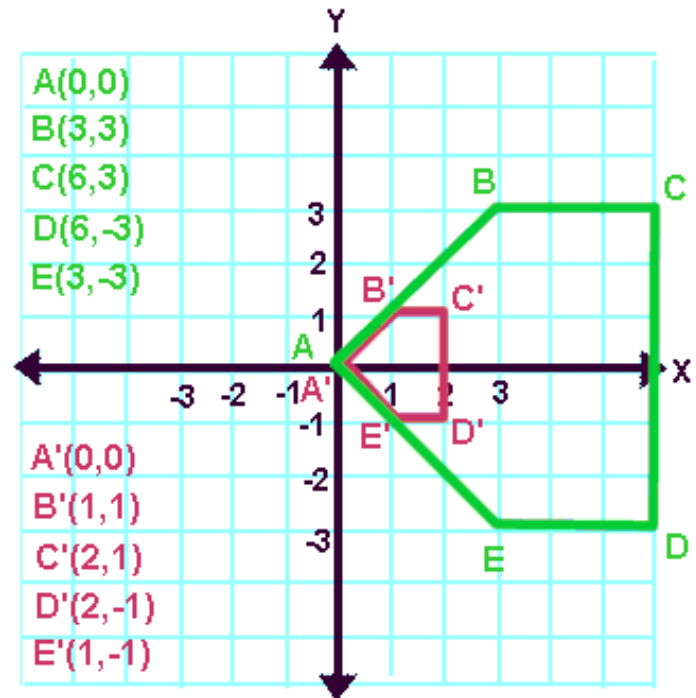
(15, 9)

Solve for x.

8

Please find all possible values of x if *AB*=6x, *BC*=2x+5, *DE*=x-1 and *EF*=x-3.

¼, 5

A'B'C'D'E' is the dilation image of ABCDE centered at the origin. What is the scale factor of the dilation?

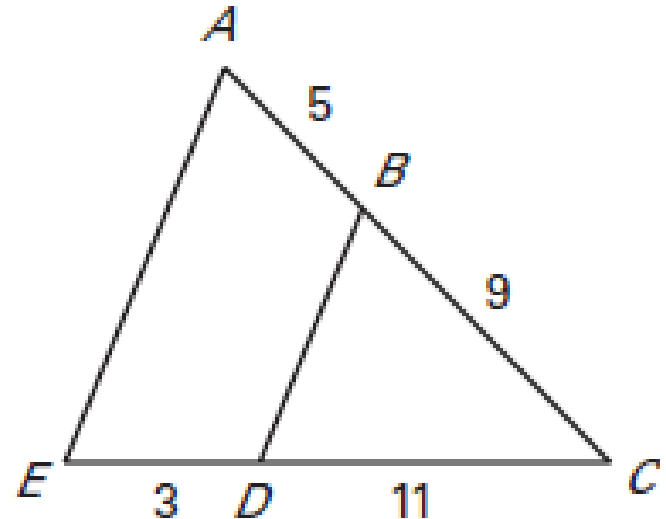Determine whether $\overline{AE} \| \overline{BD}$.

No

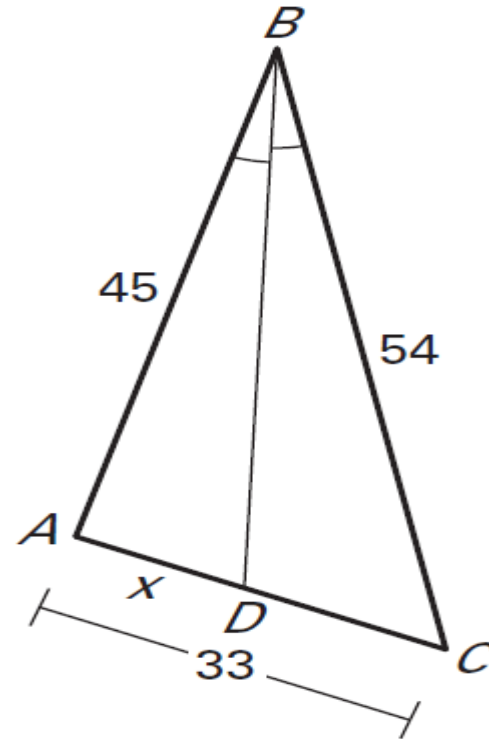ΔDEF has coordinates D(4, 2), E(-2, 3) and F(6, -1). Dilate the triangle using center (-1, 4) and a scale factor of 2.

(9, 0), (-3, 2), (13, -6)

Solve for x.

15

Determine whether the triangles are similar. If they are, write a similarity statement, and state the postulate that proves that they are similar.