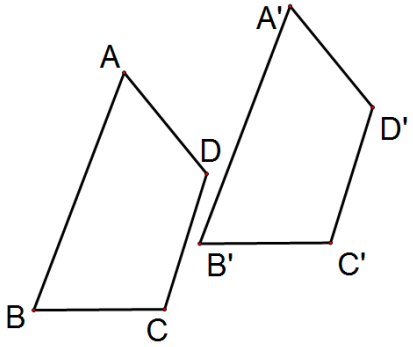
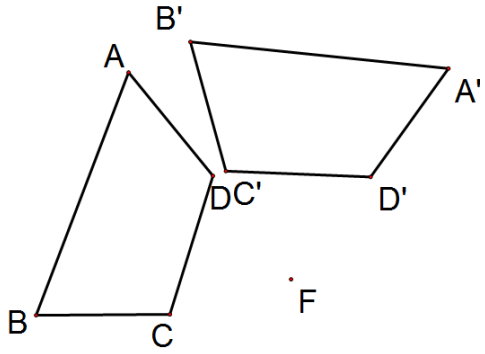
Review Module 1 Topic C – Constructions

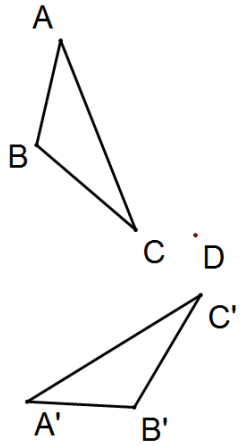
1) Sketch the translation vector.



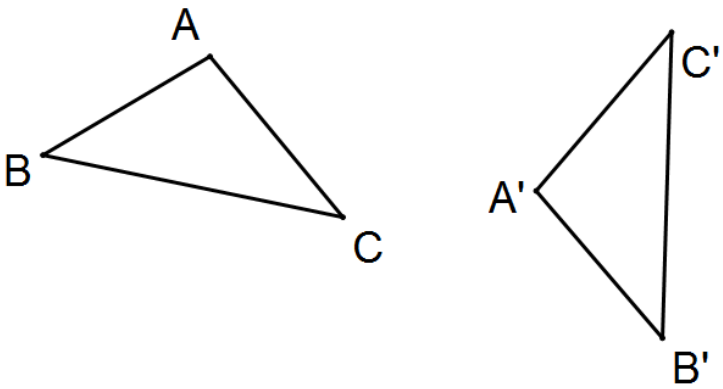
2) Construct the rotation vector



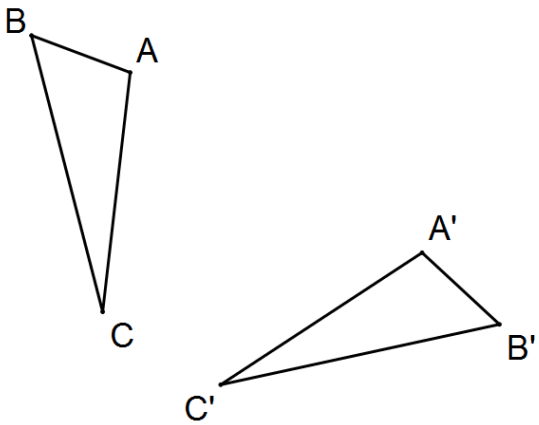
3) Find the degree measure of the angle of rotation.



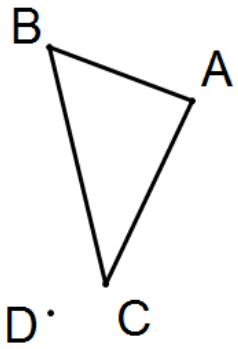
4) <u>Construct</u> the Center of rotation



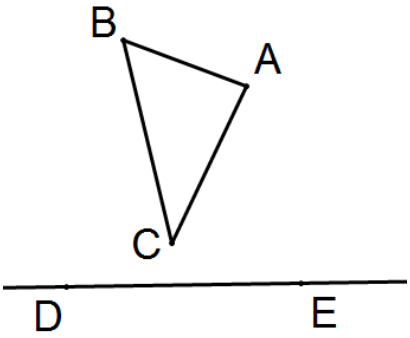
5) <u>Construct</u> the Line of Reflection.



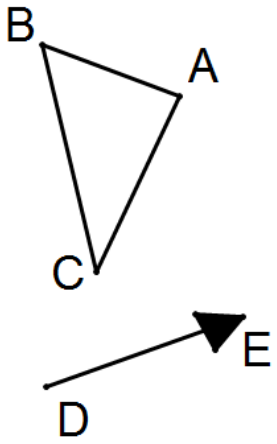
6) $R_D\ 120\ (\triangle ABC)$



7) $r_{\overline{DE}}(\triangle ABC)$



8) $T_{\overrightarrow{DE}}(\triangle ABC)$



Discussion Questions.

9) What does it mean if the angle of rotation is written as -130?

10) What is true about the paths the points on a rotated object take?

11) The paths the points take on a translation are _____ and _____.

12) The paths the points take on a reflection are _____ but not _____.

13) The circles created by the paths the points take in a rotation are _____>

14) Why is the perpendicular bisector so important?

15) What happens to the preimage when it is reflected two times across intersecting lines?

16) What are the types of rigid motions?

21) Describe the composite transformation of the following.