Exercise 12: Changes-4

Make changes to the part created in the previous lesson.

This exercise uses the following skills:

- Editing Sketches
- Changing Dimension Values
- Deleting Relations

Design Intent

Some aspects of the design intent for this part are:

1. The spokes must remain evenly spaced.
2. The restriction of the design rule enforced by the equation must be removed.
3. The spokes must be angled upward.

Procedure

1. **Open the part Changes-4.**
   Several changes will take place in the model.

2. **Delete equation.**
   Break the design rule by removing the equation. To do this, right-click the Equations folder in the FeatureManager design tree, and choose **Delete Equation.** Select the equation and click **Delete** and OK.
3 **Spoke dimension values.**
After the sketch using **Edit Sketch**. Edit the sketch and change the dimension values as shown. The changed values are shown bold and underlined.

4 **Relations and dimensions.**
Delete the **Horizontal** relation on the leftmost line and delete the **22mm** dimension. Add in new dimensions to fully define the sketch. Exit the sketch to see the changes.

5 **Changes.**
Looking at the model from the **Front** orientation, the impact of the change is clear.

6 **Number of spokes.**
Change the number of spokes to **3** and rebuild the model.

7 **Save and close the part.**