

Angle between two planes

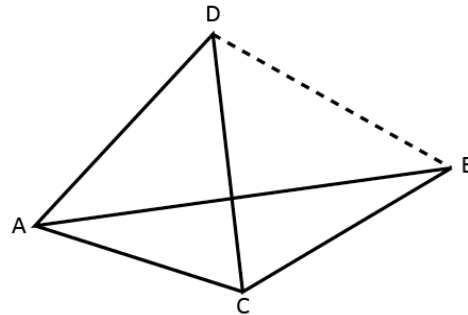
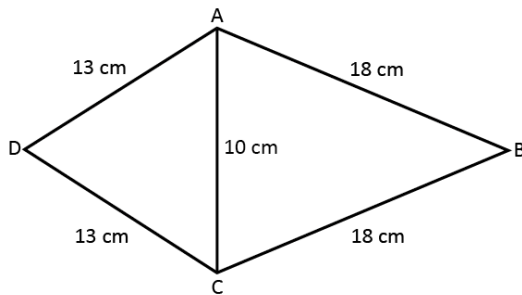
Name: _____ Class: _____ (____) Date: _____

In this worksheet, give your answers in exact value or correct to 3 significant figures.

1. In the figure, $ABCD$ is a paper card.

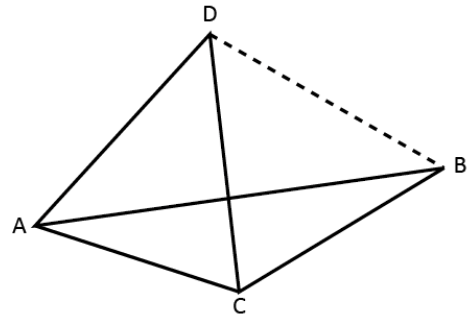
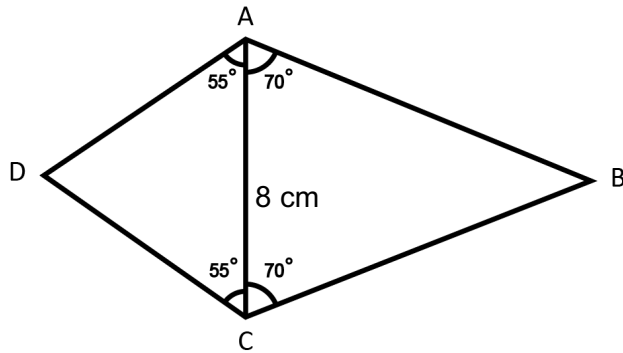
The paper card $\triangle ACD$ is folded along AC such that $DB = 15$ cm.

Find the angle between planes DAC and BAC .



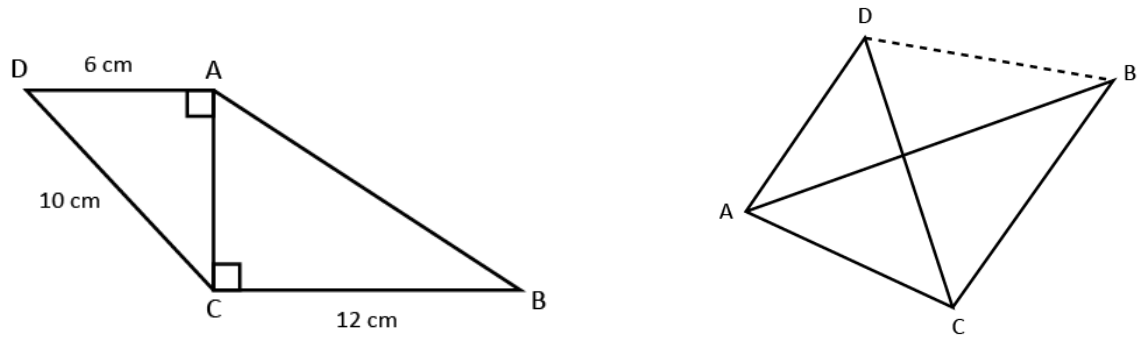
Ans: 58.3°

2. In the figure, $ABCD$ is a paper card. The paper card is folded along AC such that $DB = 11$ cm. Find the angle between planes DAC and BAC ° .



Ans: 75.0°

- *4. In the figure, $ABCD$ is a paper card. The paper card is folded along AC such that $DB = 15$ cm. Find the angle between planes DAC and BAC .



Ans: 82.4°