EXERCISE 11.2

Write true or false in each of the following.Give reasons for your answer:

1. An angle of 52.5° can be constructed.

2. An angle of 42.5° can be constructed.

3. A triangle *ABC* can be constructed in which *AB* = 5 cm, ∠A =45° and *BC* + *AC* = 5 cm.

4. A triangle *ABC* can be constructed in which *BC* = 6 cm, ∠30° and *AC* - *AB*=4 cm.

5. A triangle *ABC* can be constructed in which ∠B =105°,∠C =90° and *AB* + *BC* + *AC* = 10 cm.

6. A triangle *ABC* can be constructed in which ∠B =60°,∠C =45° and *AB* + *BC* + *AC* = 12 cm