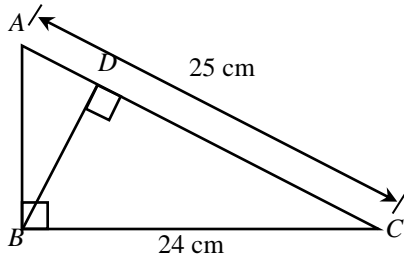


## TB(2A) Ch.2-Similar Triangles

### Multiple Choice Questions

**1. [16-17 Final Exam, #19]**

In the figure,  $AC = 25$  cm and  $BC = 24$  cm. By considering  $\triangle ABC$  and  $\triangle BDC$ , find the length of  $AD$ .

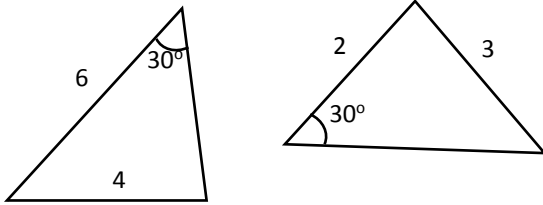


- A. 0.96 cm
- B. 1.04 cm
- C. 1.96 cm
- D. It cannot be determined.

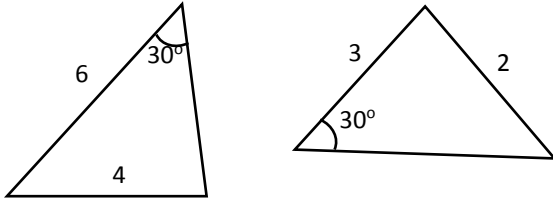
2. [17-18 S Test 2, #19]

Which of the following pairs of triangles must be similar?

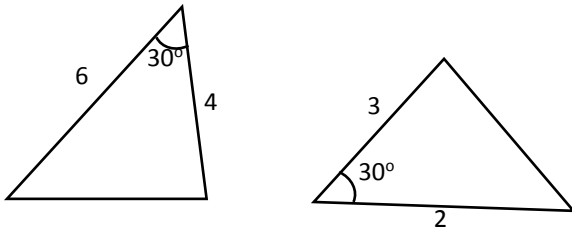
A.



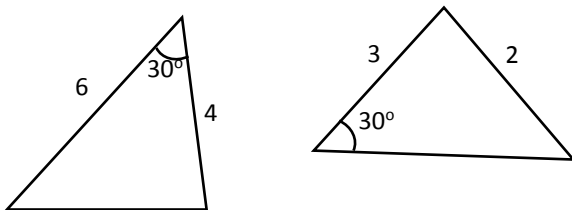
B.



C.

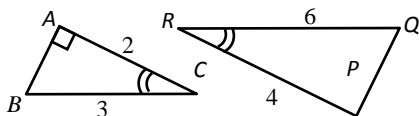


D.



3. [18-19 S Test 2, #4]

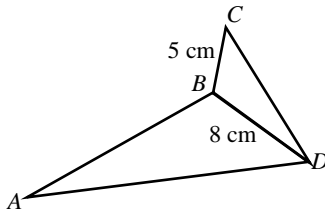
Which of the following is correct about  $\triangle ABC$  and  $\triangle PQR$ ?



- A.  $\triangle ABC \cong \triangle PQR$  (RHS)
- B.  $\triangle ABC \cong \triangle PQR$  (SAS)
- C.  $\triangle ABC \sim \triangle PQR$  (AAA)
- D.  $\triangle ABC \sim \triangle PQR$  (ratio of 2 sides, inc.  $\angle$ )

4. [18-19 S Test 2, #10]

In the figure,  $\triangle ABD \sim \triangle DBC$ .  $AB$  is

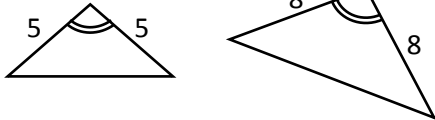


- A. 0.2 cm.
- B. 5 cm.
- C. 8 cm.
- D. 12.8 cm.

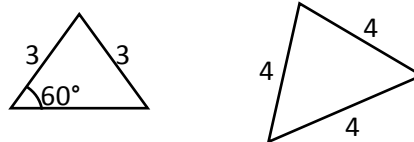
5. [18-19 S2 Final Exam, #16]

Which of the following pairs of triangles is **NOT** similar?

A.



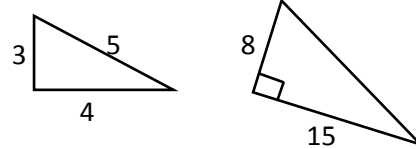
B.



C.



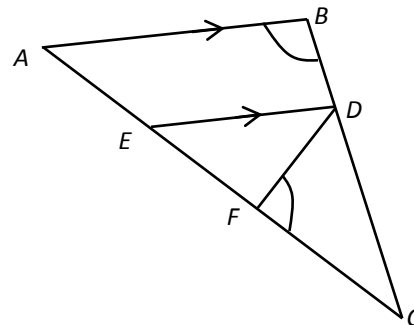
D.



6. [20-21 S. 2 Final Exam #23]

In the figure,  $AB \parallel ED$  and  $\angle ABC = \angle CFD$ . Which of the followings must be correct?

- I.  $\triangle CFD \sim \triangle CDE$
- II.  $\triangle CDE \sim \triangle DFE$
- III.  $AB \times CD = AC \times DF$



- A. I only
- B. II only
- C. I and II only
- D. I and III only

~ End ~