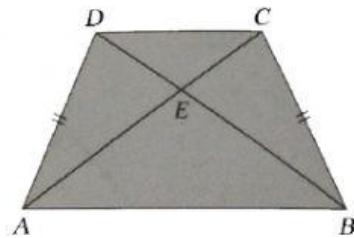


## Worksheet Similar Cogruent

Choose the best answer A, B, C, or D !

1. The figure above shows an isosceles trapezoid  $ABCD$  ( $AD = BC$ ). Which of the following pairs :

- (i)  $\Delta ADE$  and  $\Delta BCE$
- (ii)  $\Delta ADC$  and  $\Delta BCD$
- (iii)  $\Delta ABD$  and  $\Delta BAC$
- (iv)  $\Delta ABE$  and  $\Delta CDE$

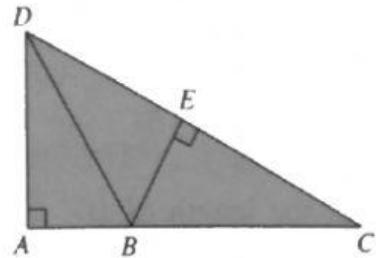


The figure above shows an isosceles trapezoid are pairs of congruent triangles ...

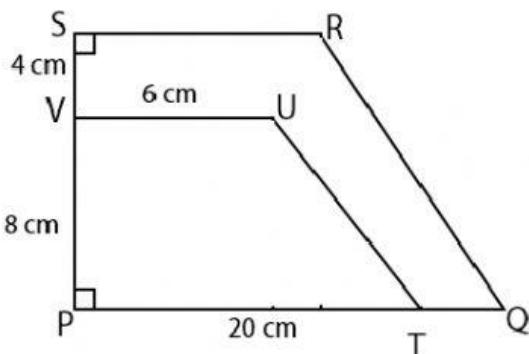
A. (i) and (iv)  
B. (ii) and (iv)  
C. (i), (ii), and (iii)  
D. (i), (ii), and (iv)

2. In the figure beside, the pair of two triangles similar are...

- A.  $\Delta ABD$  and  $\Delta EBD$
- B.  $\Delta ABD$  and  $\Delta BCD$
- C.  $\Delta BCE$  and  $\Delta BDE$
- D.  $\Delta ACD$  and  $\Delta ECB$



3. Look at the picture!



Trapezium PTUV are similar with the trapezium PQRS. The length of PQ is....

A. 20 cm      B. 22 cm      C. 26 cm      D. 30 cm

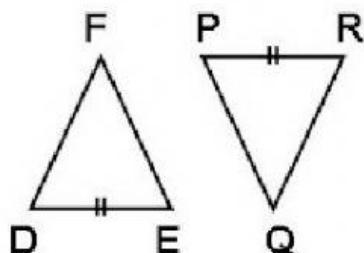
4. Look a this picture !



The shadow a pole and a tree make are 5 m and 20 m long, respectively. If the height of the pole is 4 m, find the height of the tree ( $t$ ).

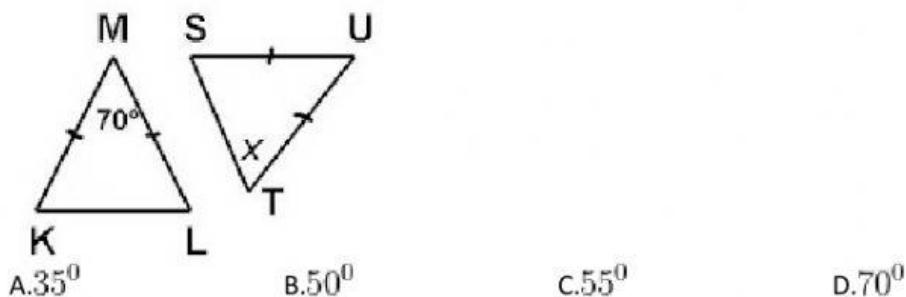
A. 15 cm      B. 16 cm      C. 22 cm      D. 24 cm

5. From the picture below, known  $D = R$  and  $DE = PR$ . If  $\triangle DEF$  congruent with  $\triangle RPQ$ , then  $\angle DEF =$



A.  $\angle QRP$       B.  $\angle RPQ$       C.  $\angle RQP$       D.  $\angle PQR$

6. Known the triangle KLM congruent with the tirangle STU, then  $\angle T$  is...



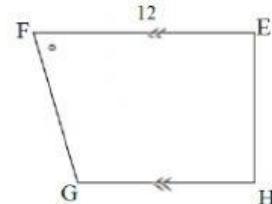
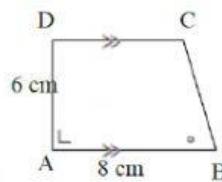
A.  $35^0$       B.  $50^0$       C.  $55^0$       D.  $70^0$

7. Look at the picture beside !

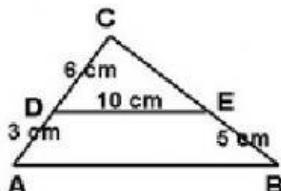
Trapezium  $ABCD$  similar with trapezium  $EFGH$ .

The length of  $EH$  is ...

A. 8 cm      C. 10 cm  
B. 9 cm      D. 12 cm



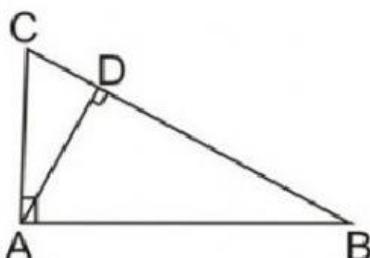
8. Look at the picture !



The length of  $AB$  is....

a. 8 cm  
b. 9 cm  
c. 12 cm  
d. 15 cm

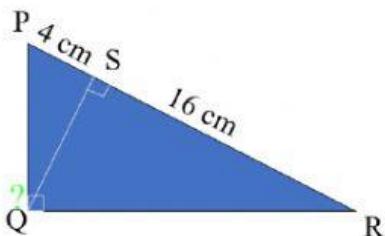
9. Look at this picture!



Known the length of  $BC$  is 25 cm and the length of  $DC$  is 9 cm. Then length of  $AD$  is...

A. 10 cm      B. 12 cm      C. 13 cm      D. 15 cm

10. Look at this picture!



a. 3 cm	c. 4 cm
b. $3\sqrt{5}$ cm	d. $4\sqrt{5}$ cm

The length of  $PQ$  is.....