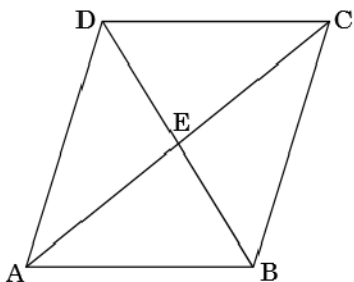
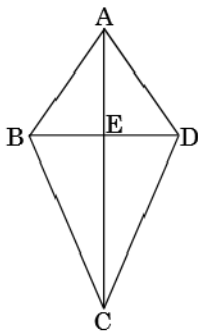


1. Given rhombus ABCD:



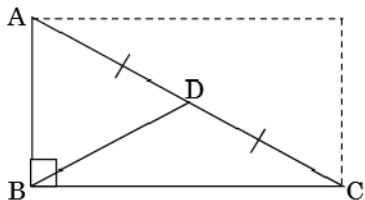
- a) What triangles are congruent?
- b) If  $BD = 6$  and  $AC = 8$ , then  
 $AB = \underline{\hspace{2cm}}$   
 perimeter of ABCD =  $\underline{\hspace{2cm}}$   
 area of ABCD =  $\underline{\hspace{2cm}}$
- c) If  $BC = 13$  and  $BD = 10$ , then  
 $EC = \underline{\hspace{2cm}}$   
 area of ABCD =  $\underline{\hspace{2cm}}$
- d) If  $AC = 16$  and  $EC = 3x - 5$ , then  
 $x = \underline{\hspace{2cm}}$

2. Given kite ABCD



- a) What triangles are congruent?
- b) If  $BD = 10$ ,  $AC = 30$ , and  $EC = 18$ ,  
 then perimeter of ABCD =  $\underline{\hspace{2cm}}$   
 area of ABCD =  $\underline{\hspace{2cm}}$
- c) If  $BD = 8$  and  $AC = 14$ , then  
 area of  $\triangle ABC = \underline{\hspace{2cm}}$   
 area of ABCD =  $\underline{\hspace{2cm}}$

3.



- a) If  $AB = 10$  and  $BC = 24$ , then  
 $AD = \underline{\hspace{2cm}}$   
 $BD = \underline{\hspace{2cm}}$
- b) If  $BD = 8.5$  and  $AB = 8$ , then  
 $BC = \underline{\hspace{2cm}}$

Selected scrambled answers: 13, 4.3, 150, 24, 56, 15, 20, 120