

## 6-3 Rhombi, Rectangles, and Trapezoids

Name: \_\_\_\_\_

Time> Start: \_\_\_\_\_ Finish: \_\_\_\_\_

Total Time = \_\_\_\_\_

Figure 1

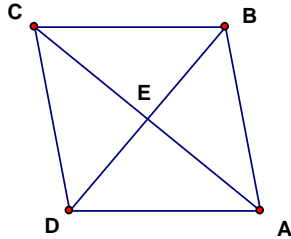


Figure 2

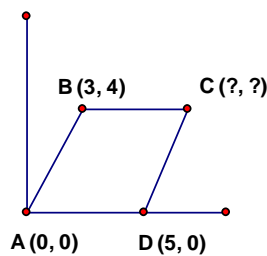


Figure 3

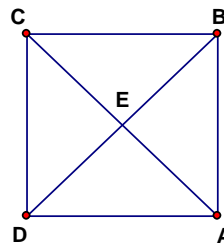
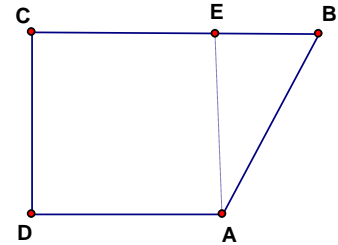
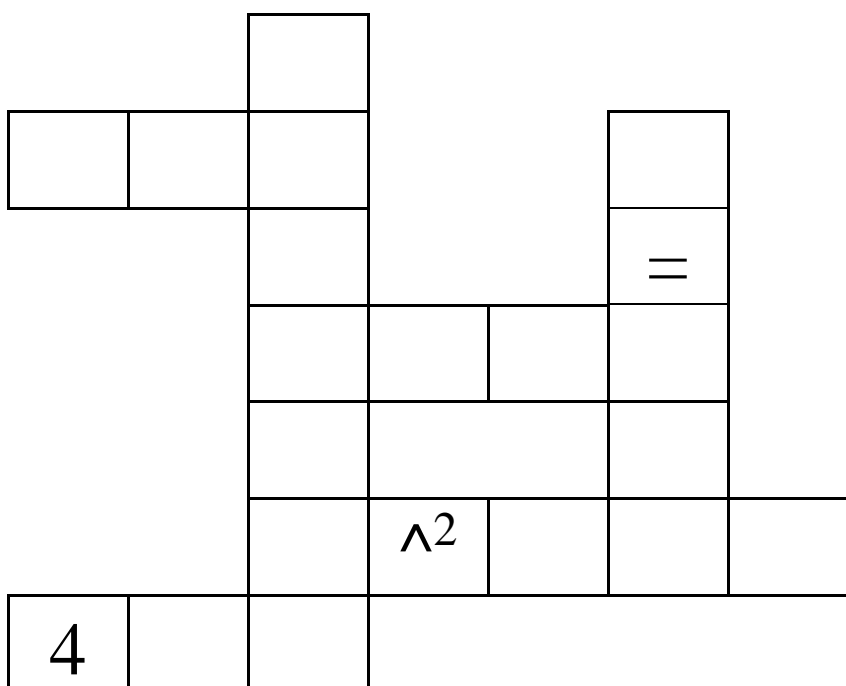


Figure 4



- \_\_\_\_\_ 1. In figure 1 above, ABCD is a rhombus. If  $AC = 30$  cm and  $BD = 40$  cm, what is the perimeter of ABCD?
  
- \_\_\_\_\_ 2. If in figure 2 ABCD is a rhombus, what are the coordinates for C?
  
- \_\_\_\_\_ 3. In figure 3, ABCD is a rectangle. If  $AC = 25$  cm and  $BC = 15$  cm, what is the length of  $\overline{DE}$ ?
  
- \_\_\_\_\_ 4. In figure 3, ABCD is a rectangle. If  $AC = 50$  cm and  $BC = 40$  cm, what is the length of  $\overline{DC}$ ?
  
- \_\_\_\_\_ 5. In figure 4, I want to cut a piece of granite for a countertop. I must have the countertop be a rectangle. If I am going to cut from E to A, what must true in order to make sure that the granite is rectangular?  
 A.  $AE = EB$                       B.  $AC = BD$                       C.  $EC = CD$                       D.  $DE = CA$
  
- \_\_\_\_\_ 6. If ABCD is an isosceles trapezoid with  $\angle A = 50^\circ$ , what is  $\angle C$ ?
  
- \_\_\_\_\_ 7. What kind of quadrilateral always has diagonals that are perpendicular and bisect each other?  
 A. trapezoid                      B. rhombus                      C. rectangle                      D. parallelogram
  
- \_\_\_\_\_ 8. A rhombus is also a  
 A. square and parallelogram                      C. parallelogram  
 B. rectangle                      D. trapezoid

# Mabble 13



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8 8 9  $\wedge^3$  + / =

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