



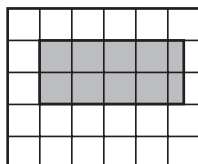
Name \_\_\_\_\_ Date \_\_\_\_\_

# Explore Area

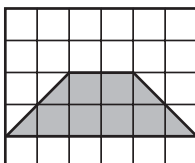
CA Standard  
KEY MG 1.2

The figures in Problems 1 show merit patches that Phil earned at camp. Estimate the area of each patch. Each  $\square = 1$  square unit.

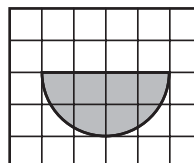
1. **Hiking**



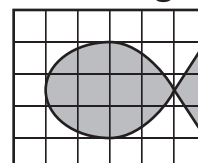
**Rock Climbing**



**Canoeing**



**Fishing**



2. Phil plans to sew all his merit patches on his camp jacket. Which patch will cover the largest space on his jacket?

3. Which of Phils patches are quadrilaterals?

4. Suppose Phil earns two canoeing patches. If he sews them next to each other, what shape can they form? About how many square units of his jacket will that shape cover?

5. To see what the mountain climbing patch looks like, draw two line segments on the rock climbing patch to change it to a triangle. Then estimate the area of the mountain climbing patch.

6. Phil wants to create a new patch by combining two existing patches and creating a hexagon. Which two patches can he combine to create a hexagon? What would be the area of the hexagon?