Name:

## $\triangle ABC$ is isosceles with $\overline{AC} \cong \overline{BC}$ .

1) Perimeter  $\triangle ABC = 48$  AC = 18AD =\_\_\_\_\_





3)  $m \angle CAB = 45^{\circ}$  $m \angle ACD =$ \_\_\_\_\_



4) Calculate the measure of each lettered angle.



5) How many minutes after 3:00 will the hands of a clock overlap?