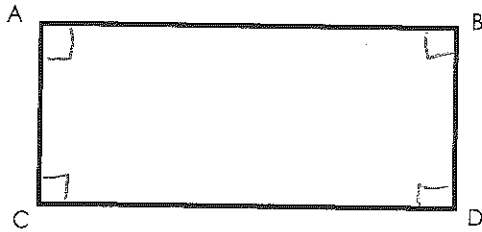


Independent Practice

For each question state the property that helped you solve the problem

Find the measure of the given angles

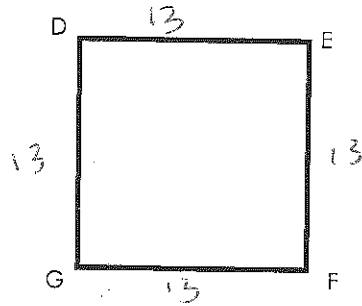


$$\angle A = \underline{90^\circ}$$

$$\angle C = \underline{90^\circ}$$

Property: All \angle 's are 90°

In square DEFG, $EF = 13$. What is the length of each side of the square?



$$DE = \underline{13}$$

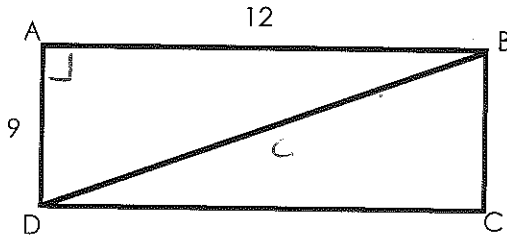
$$FG = \underline{13}$$

$$EF = \underline{13}$$

$$GD = \underline{13}$$

Property: All sides \cong (rhombus)

Find the length of DB.



(hint: use the Pythagorean theorem)

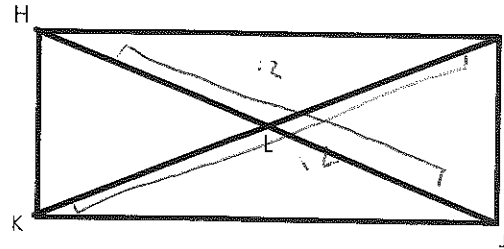
$$9^2 + 12^2 = c^2$$

$$81 + 144 = c^2$$

$$\sqrt{225} = c$$

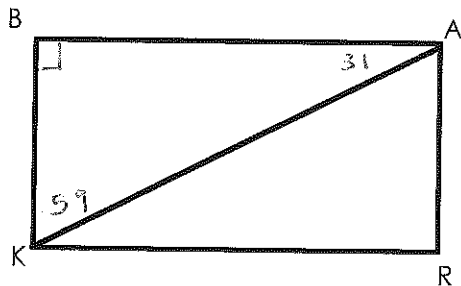
$$DB = \underline{15}$$

Parallelogram HIJK is a rectangle and $KI = 12$. Find the missing lengths for each diagonal.



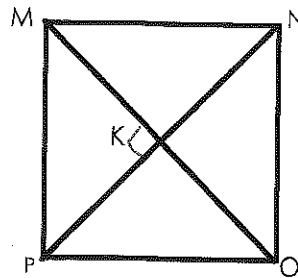
HJ = 12 Property: Diagonals are \cong

BARK is a rectangle. If $\angle BKA = 59^\circ$, find the measure of $\angle BAK$.



$$\angle BAK = \underline{31^\circ}$$

MNOP is a square. Find the measure of the missing angle



$\angle MKP = \underline{90}$ Property: diagonals are \perp (rhombus)

