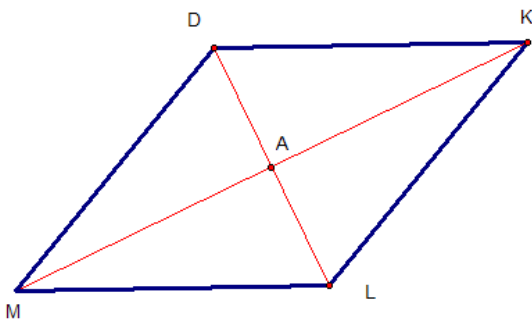


Name: _____
Date: _____
Class: _____

Geometry
Unit 6
HW 6-3

- 1) In a rhombus the diagonals are 6 and 8. Find the rhombus' perimeter.
- 2) In a rhombus the corner angle is divided into 2 parts by the diagonal. The two parts are represented by $2x + 7$ and $3x - 4$. If diagonal that creates these two angles is 28 inches long find the length of one side of this rhombus.
- 3) In a square one of the diagonals is $2x + 1$ and the other is $x + 5$. Find the area of the square.

4)



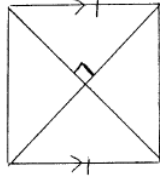
→MDKL is a rhombus
The perimeter of MDKL is 48,
 $DL = 10$. Find AK

- 5) In a \square consecutive sides are represented by $2x + 2$ and $3x$. If the perimeter is 96 find x .

- 6) If a rectangle has perimeter of 84 with 2 consecutive sides in the ratio 2:5, find the area of a rectangle that is the image of the original rectangle using D_3

- 7) In a rectangle the perimeter is 80 feet and the width is $\frac{2}{3}$ as long as the length. Find the area.

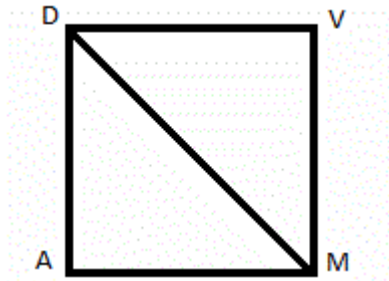
8)



What type of quadrilateral is this and why?

9) If the perimeter of a quadrilateral is 60 and the 4 sides are represented by $x + 7$, $2x - 1$, $3x - 9$, and $4x - 17$ what type of quadrilateral is this?

10)



DVMA is a square
 $DM = 106$, find DV