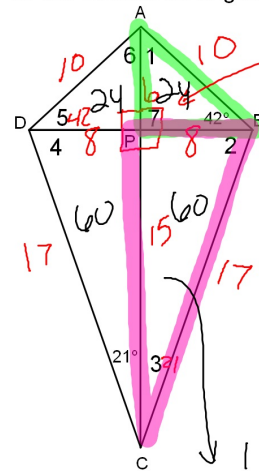# Take a bellwork sheet

Hwk #2 is due tomorrow.

Hwk #3 will be due on Tuesday, Sept. 17
(you'll need a sheet of graph paper)

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1. Quadrilateral ABCD is a kite. Find the measure of all the numbered angles.

2. If AP = 6, AB = 10 and BC = 17 find the the length of the two diagonals and the area of the kite.

$$\frac{1}{2}(6)(8) = 24$$

$1 = 48$

$2 = 69$

$3 = 21$

$4 = 69$

$5 = 42$

$6 = 48$

$$\frac{1}{2}(8)(15) = 60$$

$DB = 16 \quad AC = 21$

$$6^2 + x^2 = 10^2$$

$$8^2 + y^2 = 17^2$$

$Area = 168$

$$\frac{1}{2} d_1 \cdot d_2$$

$$\frac{1}{2}(16)(21)$$