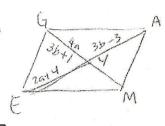


$$\begin{array}{c|c} \hline OB \\ \hline A \\ \hline \end{array} \begin{array}{c} 67 \\ \hline A \\ \hline \end{array} \begin{array}{c} 67 \\ \hline \end{array} \begin{array}{c} 726 \\ \hline$$

(Page 2)

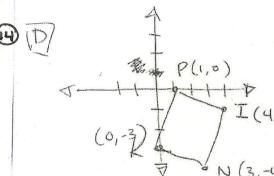
1 D SSS you use law of cosines

(1) (D)



$$4a=3b+1$$
 $4a-3b=1$
 $2a+4=3b-3$ $-4a-6b=14$
 $3b=15$
 $b=5$

(3) D



$$PI = Jq + 1 = Jio$$

$$IN = Jq + 1 = Jio$$

$$(0,-3)$$

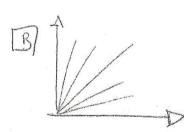
$$V = Jq + 1 = Jio$$

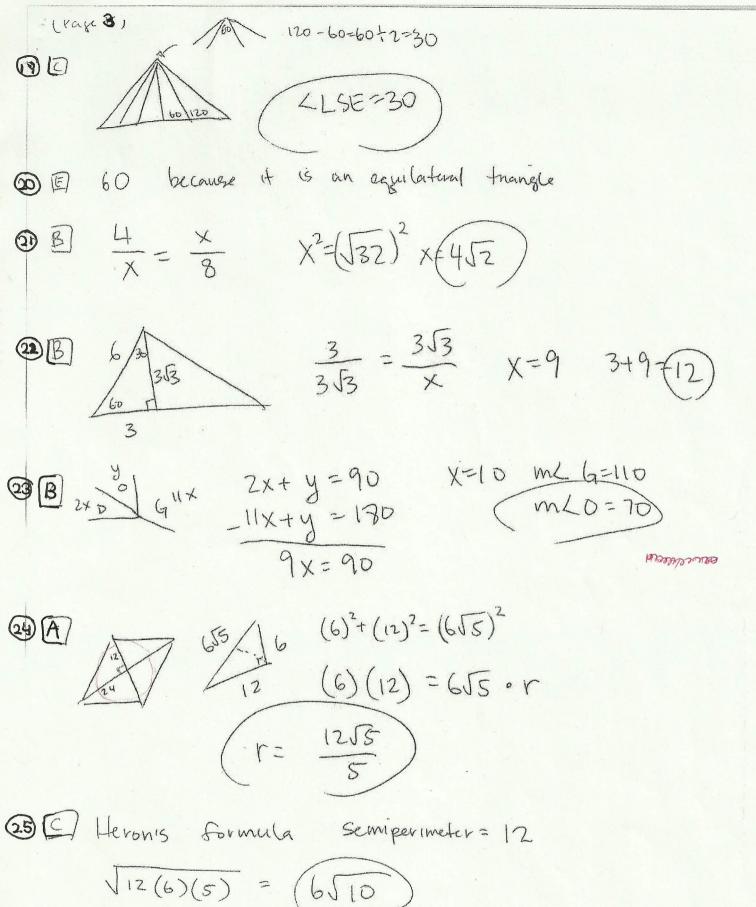
5) IBI Exterior angles always adol up to 360°

$$\frac{3}{5} = \frac{x}{20}$$
 $x = 32$

4+5=(9)

) A F+V= E+2 36+ J=88+2 V = 54

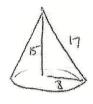




3 = 1

28 B
$$\times {}^{2}-6x+9+y^{2}+4y+4=36$$

 $(x-3)^{2}+(y+2)^{2}=(6)^{2}$
 $(y-6)$



$$\pi (8)^2 + (8)(17)\pi = 64\pi + 136\pi - (2009)$$

30 D
$$\frac{1}{3}\pi rh - \frac{1}{3}\pi r^2h = \frac{1}{3}\pi r^2h$$

 $\frac{1}{3}(25)(10) = \frac{2}{3}\pi r^2h \Rightarrow 125 = r^2h$
 $125 = \frac{h^3}{2}$ $h^3 = 250$ $h = 5\sqrt[3]{2}$

$$\frac{r}{h} = \frac{1}{2} \quad r = \frac{h}{2}$$
(Similar thanks)