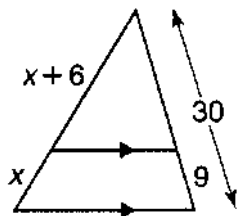


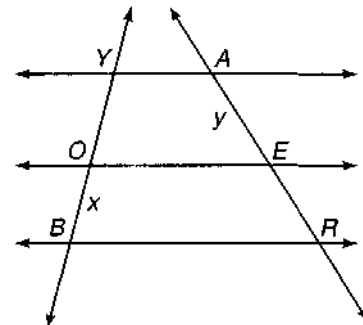
Theorem	Picture	Equation
Triangle Proportionality		
Midsegment of a Triangle		
Three Parallel Lines Proportion		

Find the value of x .

1)

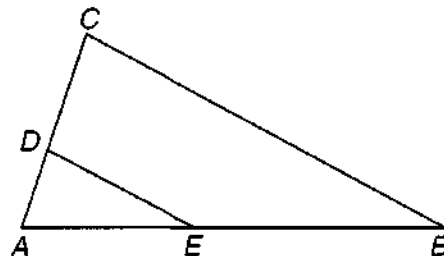


2) In the figure at the right $\overline{AY} \parallel \overline{EO}$ and $\overline{BR} \parallel \overline{EO}$. Find the values of x and y when $YO = 4$, $ER = 16$ and $AR = 24$.



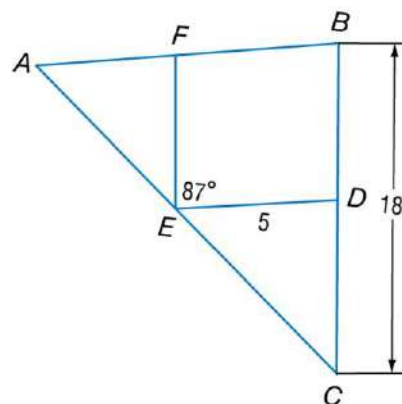
Using the figure at the right, determine the value of x when $\overline{DE} \parallel \overline{BC}$.

3) $AC = 30$, $AD = 10$, $AE = 22$ and $EB = x + 4$



In the figure DE and EF are midsegments of the triangle.

4) Find AB and FE.



In $\triangle PQR$, find x and y so that $\overline{JG} \parallel \overline{RQ}$

5) $RQ = 10$, $JG = 8$, $PJ = 8x - 5$, $JR = x$, $PG = 3y + 2$ and $QG = y$.

