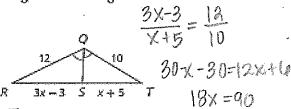
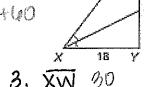
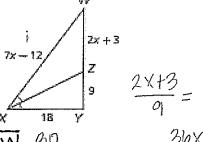
## DINGU QUESTIONS - SCOTOYLE TA-TO

Find the length of each segment.





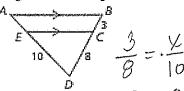


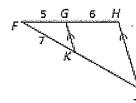


$$\frac{2\times +3}{01} = \frac{7\times -12}{18}$$
$$36\times +54 = 63\times -108$$
$$516 = 27\times 108$$

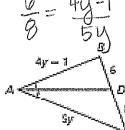
X=10

Find the length of each segment.



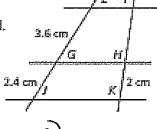


7. 
$$\overline{ST}$$
  $\frac{12}{14} = \frac{16}{x}$   $12x = 224$  8.  $\overline{AB}$   $\frac{15}{15}$  9.  $\overline{AC}$ 

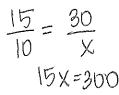


、An artist drew a picture of railroad tracks such that the ties EF, GH, and JK are parallel. What is the length of  $\overline{FH}$ ?

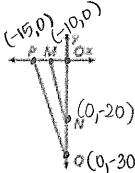
$$\frac{3.6}{2.4} = \frac{1}{2}$$



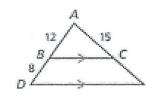
Given that  $\triangle MON - \triangle POQ^2$ 11. and coordinates P(-15, 0), M(-10,0), and Q(0,-30), find the complimates of N and the scale factor.



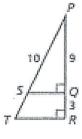
X=20



(0,-20); 2/3



$$\frac{12}{8} = \frac{15}{X}$$

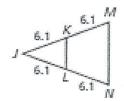


$$\frac{10}{x} = \frac{9}{3}$$

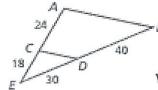
Verify that the given segments are parallel.

$$4$$
,  $\overline{KL}$  and  $\overline{MN}$ 





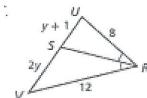




Find the length of each segment:

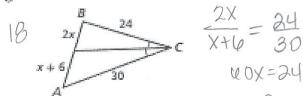
No. Su 4

4+1 = 8
24
12



$$\frac{y+1}{2y} = \frac{8}{12}$$
 $|2y+12=1|6y$ 
 $|2=4y$ 

Find the length of the third side of  $\triangle ABC$ . 18.

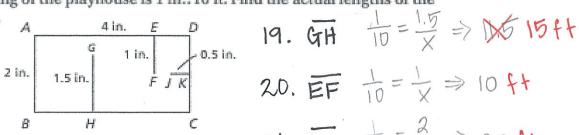


$$\frac{2X}{X+4} = \frac{24}{30}$$

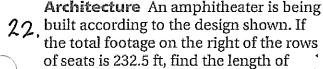
$$40X = 24X + 144$$

The scale drawing of the playhouse is 1 in.: 10 ft. Find the actual lengths of the

following walls.



21. 
$$\overrightarrow{DC}$$
  $\frac{1}{10} = \frac{2}{x} \Rightarrow 20$  ft



Section B. 100 40 ft

X=100

river frontage for lots B, C, and D.



**Geography** Riverside Park has campsites

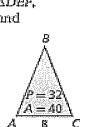
available for rent. Lot A has 50 ft of street frontage and 80 ft of river frontage. Find the

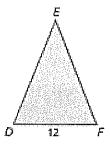
**Recreation** The kiddie pool and the lap pool at Centerville Park are similar rectangles. The lap pool measures 25 ft wide by 48 ft long. The kiddie pool is 8 ft long. How wide is the kiddie pool to the nearest tenth? 25 200 = 48x

A student who is 5 ft 3 in tall measured her shadow and the shadow cast by a water tower shaped like a golf ball. What is the height of the tower? 4321n  $\frac{70}{480} = \frac{63}{1}$ 36ft  $\frac{70}{480} = \frac{30240}{1}$ 

. To find the height of a flagpole, Casey measured 26 her own shadow and the flagpole's shadow. Given that Casey's beight is 5 ft 4 in., what is the height x of the flagpole? 254+, 4m

Given that  $\triangle ABC \sim \triangle DEF$ , find the perimeter P and area A of  $\triangle DEF$ .





31. Area