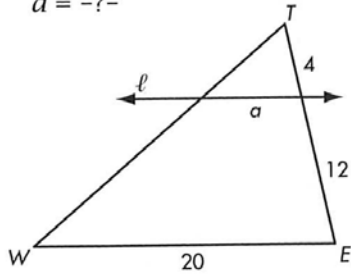


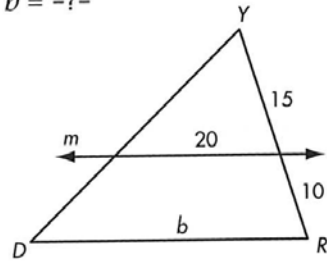
7.5 – Proportionality Relationships

Solve the following for the missing variable (all measurements are in centimeters). Show all necessary work.

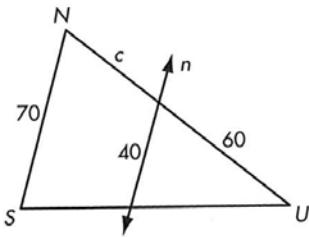
- 1) $\ell \parallel \overline{WE}$
 $a = \text{---}$



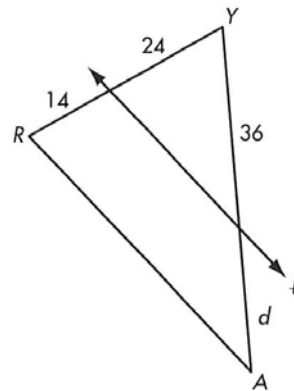
- 2) $m \parallel \overline{DR}$
 $b = \text{---}$



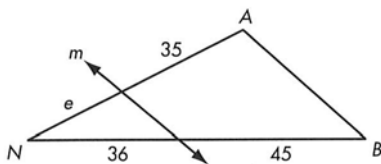
- 3) $n \parallel \overline{SN}$
 $c = \text{---}$



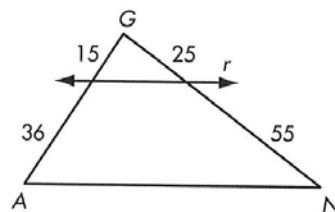
- 4) $\ell \parallel \overline{RA}$
 $d = \text{---}$



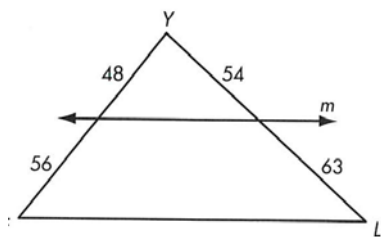
- 5) $m \parallel \overline{BA}$
 $e = \text{---}$



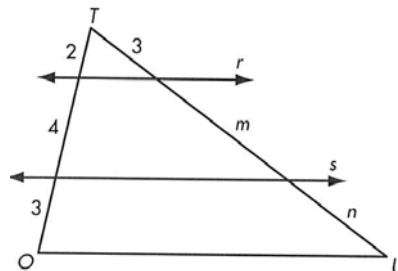
- 6) Is $r \parallel \overline{AN}$?



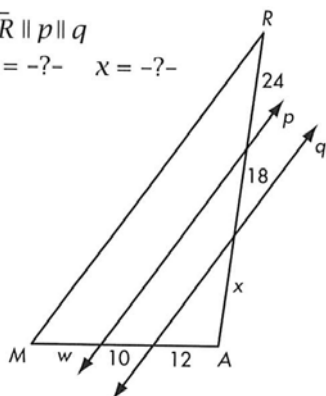
7) 7. Is $m \parallel \overline{FL}$?



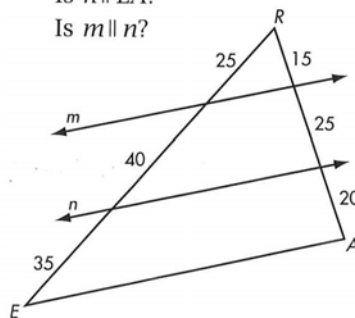
8) $r \parallel s \parallel \overline{OU}$
 $m = -?-$ $n = -?-$



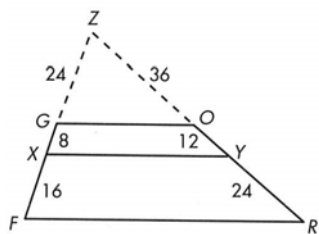
9) $\overline{MR} \parallel p \parallel q$
 $w = -?-$ $x = -?-$



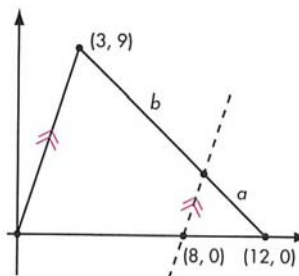
10) 10. Is $m \parallel \overline{EA}$?
 Is $n \parallel \overline{EA}$?
 Is $m \parallel n$?



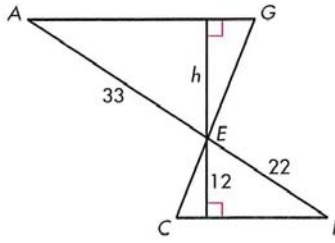
11) Is $\overline{XY} \parallel \overline{OG}$?
 Is $\overline{XY} \parallel \overline{FR}$?
 Is $FROG$ a trapezoid?



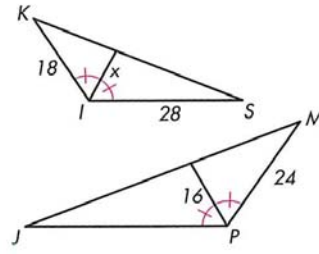
12) $a = -?-$
 $b = -?-$



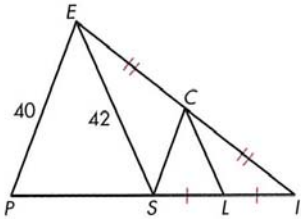
- 13) $\triangle ICE \sim \triangle AGE$
 $h = \text{---}$



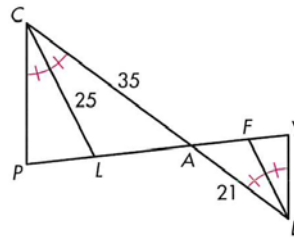
- 14) $\triangle SKI \sim \triangle JMP$
 $x = \text{---}$



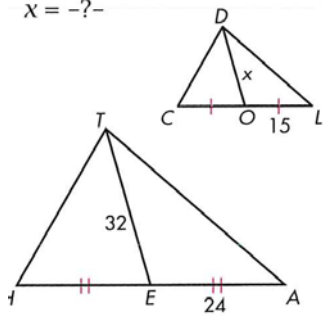
- 15) $\triangle PIE \sim \triangle SIC$
 Point S is the midpoint of PI.
 $CL = \text{---}$
 $CS = \text{---}$



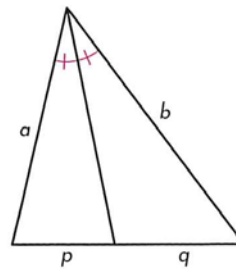
- 16) $\triangle CAP \sim \triangle DAY$
 $FD = \text{---}$



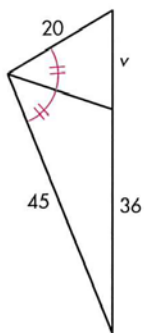
- 17) $\triangle HAT \sim \triangle CLD$
 $x = \text{---}$



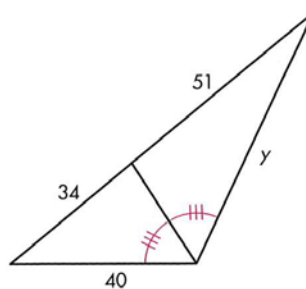
- 18) $a/b = \text{---}$
 $a/p = \text{---}$



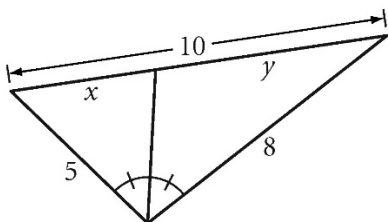
19) $v = \text{---}$



20) $y = \text{---}$



21) Find x and y .



22) Find a , b , and c .

