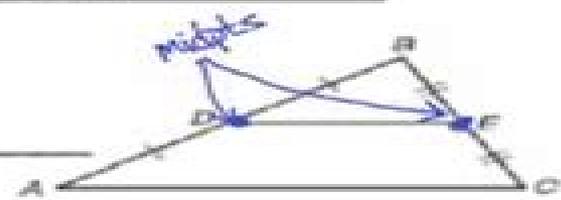


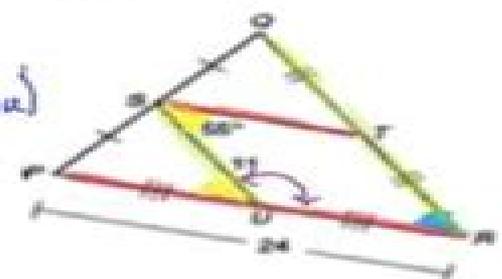
Use the Triangle Midsegment Theorem to name parts of the figure.

1. a midsegment of triangle ABC DE
2. a segment parallel to  $\overline{AC}$  DE
3. a segment with the same length as  $\overline{BD}$  AD
4. a segment that is half the length of  $\overline{AC}$  DE
5. a segment twice the length of  $\overline{EC}$  BC



Use the Triangle Midsegment Theorem to find each measure.

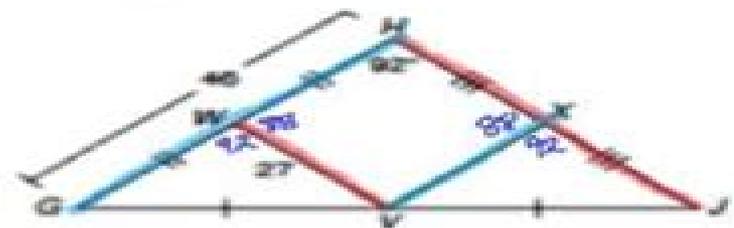
6.  $ST = 12$
7.  $QR = 22$
8.  $PV = 12$
9.  $m\angle SUP = 55^\circ$  (alt int to  $\angle TSA$ )
10.  $m\angle SUR = 125^\circ$   
supl. to  $\angle SUP$
11.  $m\angle PRQ = 55^\circ$   
corresp. to  $\angle SUP$



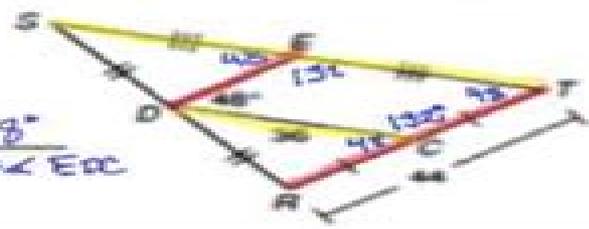
12.  $HI = 9.1$
13.  $DF = 35$
14.  $GE = 9.1$
15.  $m\angle HIF = 58^\circ$  alt int to  $\angle GHI$
16.  $m\angle HGD = 122^\circ$   
same-side int to  $\angle GHI$
17.  $m\angle D = 58^\circ$   
same-side int to  $\angle HGD$



18.  $VX = 23$
19.  $HJ = 54$
20.  $m\angle VXJ = 92^\circ$   
corresp. to  $\angle JHG$
21.  $XJ = 27$



22.  $ST = 72$
23.  $DE = 22$
24.  $m\angle DES = 48^\circ$   
alt int to  $\angle CDE$
25.  $m\angle RCD = 48^\circ$   
alt int to  $\angle EDC$



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web safe load table specifically for platforms and other large floor areas mild steel to bs 4360 grade 43a for floor plates supported and securely bolted down on all four sides tabulated loads are calculated to a maximum stress of 165n mm<sup>2</sup> 1

**mebac steel plate load table ikg** - Jul 15 2023

web steel safe load table uniform load in pounds per square foot deflection in inches concentrated load at mid span in pounds per foot of width 7 16 x 12 s 3 ft 0 3828 i 4 ft 0 0837 49 1 2 x 12 s 3 ft 0 5000 i 4 ft 0 1250 54 5 8 x

*steel diamond plate analysis structural engineering general* - Aug 04 2022

web may 8 2011 the data i have shows the wheel load over an area 11 inch by 11 inch for a 5t capacity but you should see if

## Lesson 5 4 The Triangle Midsegment Theorem Answer Key

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you can get the loads and area from the manufacturer as far as software i would just do it by hand

plate load test to calculate bearing capacity and settlement of soil - Jul 03 2022

web ultimate bearing capacity ultimate load for plate  $x$  width of pit  $b$   $f$  size of plate  $b$   $p$   $q$   $u$   $f$   $q$   $u$   $p$   $x$   $b$   $f$   $b$   $p$  finally safe bearing capacity ultimate bearing capacity factor of safety the factor of safety ranges from 2 to 3 calculation of foundation settlement from plate load test we can also calculate settlement for given

floor plate fasteel - Mar 31 2022

web checker plate also known as floor plate tread plate or diamond plate is a type of steel plate with a regular pattern of raised diamonds or lines on one side with the reverse side being featureless our checker plate comes in a hot rolled material and a variety of sizes and thicknesses

*checkered plate design structural engineering general* - Feb 10 2023

web sep 7 2010 6 sep 10 16 13 i am designing a checkered plate which is subjected to traffic the plate is 8 mm thick and the span is 2m in order to withstand the design load i try to provide a stiffener but unfortunately it fails due limited depth of stiffener of 25mm i try also to make the distances of the stiffener as close as possible but it still fail