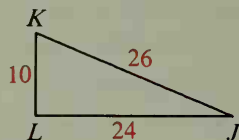


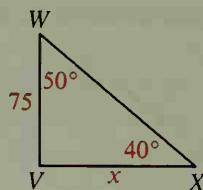
Complete. Find angle measures and lengths correct to the nearest integer.
Use a calculator or the table on page 311 if needed.

19.



- a. $\cos J = \underline{\hspace{1cm}}$
 b. $\sin K = \underline{\hspace{1cm}}$
 c. $m\angle K \approx \underline{\hspace{1cm}}$

20.

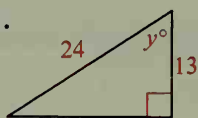


- a. $WX \approx \underline{\hspace{1cm}}$
 b. $VX \approx \underline{\hspace{1cm}}$

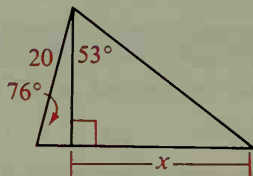
8-6

Find the values of x and y correct to the nearest integer.

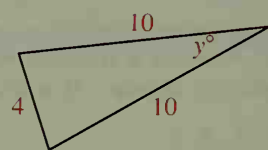
21.



22.



23.



24. Lee, on the ground, looks up at Chong Ye in a hot air balloon at a 35° angle of elevation. If Lee and Chong Ye are 500 ft apart, about how far off the ground is Chong Ye?

8-7

Chapter Test

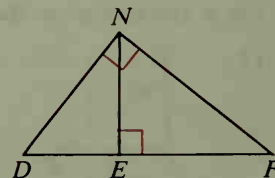
Find the geometric mean between the numbers.

1. 5 and 20

2. 6 and 8

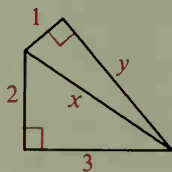
In the diagram, $\angle DNF$ is a right angle and $\overline{NE} \perp \overline{DF}$.

3. $\triangle DNF \sim \triangle \underline{\hspace{1cm}}$, and $\triangle DNF \sim \triangle \underline{\hspace{1cm}}$.
 4. NE is the geometric mean between $\underline{\hspace{1cm}}$ and $\underline{\hspace{1cm}}$.
 5. NF is the geometric mean between $\underline{\hspace{1cm}}$ and $\underline{\hspace{1cm}}$.
 6. If $DE = 10$ and $EF = 15$, then $ND = \underline{\hspace{1cm}}$.



Find the values of x and y .

7.



8.

