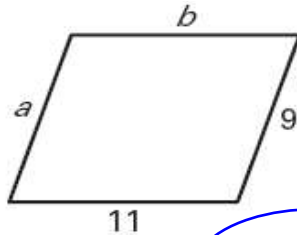


Practice Worksheet:

How do you use properties of parallelograms to solve problems?

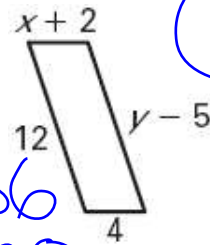
Find the value of each variable in the parallelogram.

1.



$b=11 \quad a=9$

2.



$x=2$

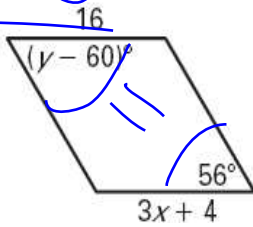
$x+2=4$

$y-5=12$
 $+5 \quad +5$

$y=17$

$y-60=56$
 $+60 \quad +60$

3.



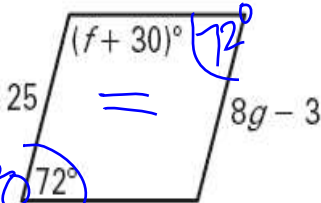
$y=116$

$3x+4=16$
 $-4 \quad -4$

 $3x=12$
 $\frac{3x}{3} \quad \frac{12}{3}$

$x=4$

4.

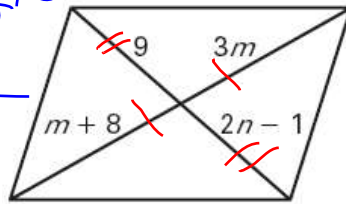


$f+30+72=180$

$8g-3=25$
 $+3 \quad +3$

$8g=28$
 $\frac{8g}{8} \quad \frac{28}{8}$
 $g=3.5$

5.



$f+102=180$
 $-102 \quad -102$

 $f=78$

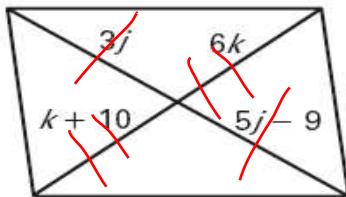
$m+8=3m$
 $-m \quad -m$

 $8=2m$
 $\frac{8}{2} \quad \frac{2m}{2}$
 $4=m$

$2n+1=9$
 $+1 \quad +1$

 $2n=10$
 $\frac{2n}{2} \quad \frac{10}{2}$
 $n=5$

6.



$6k=k+10$
 $-k \quad -k$

 $5k=10$
 $\frac{5k}{5} \quad \frac{10}{5}$
 $k=2$

$3j=5j-9$
 $-5j \quad -5j$

 $-2j=-9$
 $\frac{-2j}{-2} \quad \frac{-9}{-2}$
 $j=4.5$