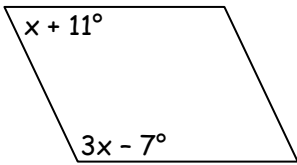


Parallelograms

Show all work neatly. The following figures are parallelograms. They are not drawn to scale.

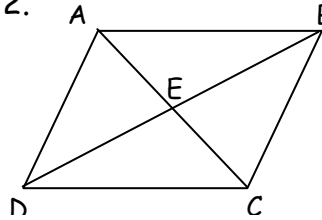
1. Find x.



Wk'd _____

Ck'd _____

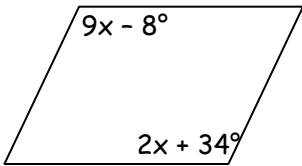
2. $AB = 12$, $AE = 6$, Find DC and EC .



Wk'd _____

Ck'd _____

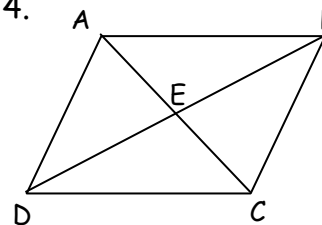
3. Find x.



Wk'd _____

Ck'd _____

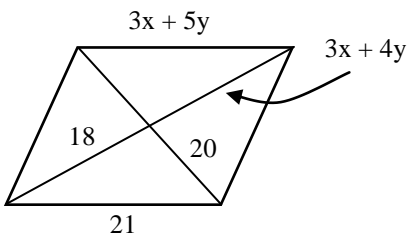
4. $AE = x + 1$, $AC = 5x - 10$, find x.



Wk'd _____

Ck'd _____

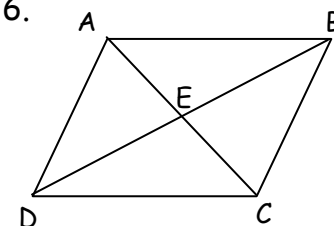
5. Find x and y.



Wk'd _____

Ck'd _____

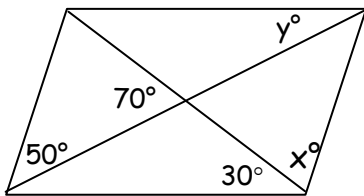
6. $m\angle ADC = 42^\circ$, find $m\angle ABC$ and $m\angle DAB$



Wk'd _____

Ck'd _____

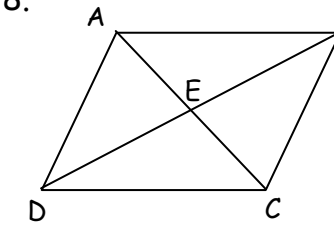
7. Find x and y.



Wk'd _____

Ck'd _____

8. $AD = x^2$, $BC = 8x - 15$, $AB = y^2$, and $DC = 16 - 6y$ Find x and y.

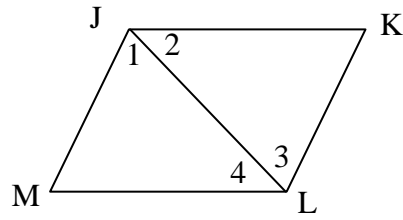


Wk'd _____

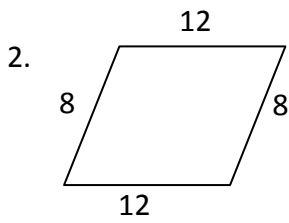
Ck'd _____

1) Given: $\square JKLM$

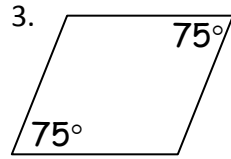
Prove: $\triangle MJL \cong \triangle K LJ$



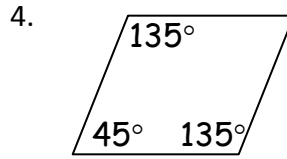
Determine if the following quadrilaterals are parallelograms and tell why.



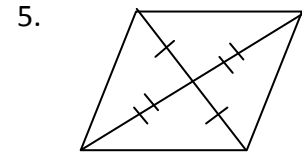
Yes or No
Why? _____



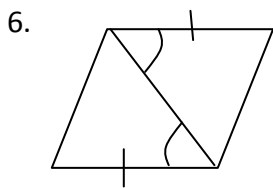
Yes or No
Why? _____



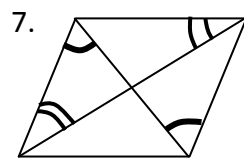
Yes or No
Why? _____



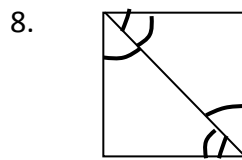
Yes or No
Why? _____



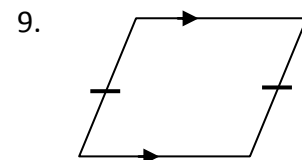
Yes or No
Why? _____



Yes or No
Why? _____



Yes or No
Why? _____



Yes or No
Why? _____

10. Given: $\overline{QR} \parallel \overline{PS}$; $\angle P \cong \angle R$
Prove: PQRS is a parallelogram

