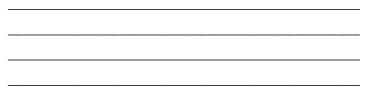
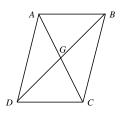




9) Given the following, determine whether quadrilateral ABCD must be a parallelogram. Justify your answer.



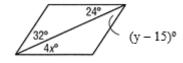
G is the midpoint of AC and BD.



11) Find the measure of the missing angle.____



12) Find *x* and *y* so that *ABCD* will be a parallelogram. *x*=_____; *y*=_____



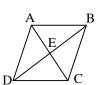
13) ABCD is a rectangle with diagonals AC and BD.

17) Find $m \angle$	PQS in square PQRS.	
	R	
	0	

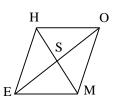
If AC = 5x + 40 and BD = 80, find x _____.

18) In rhombus ABCD below, AE=6, EB=8.

Find AB.___

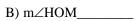


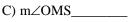
- 14) True/False: Circle the correct answer.
 - A) A square is always a rectangle. True or False
 - B) The diagonals of a parallelogram True or False always bisect a pair of opposite angles.
 - C) A rhombus is always a square. True or False
- 15) Refer to **rhombus** HOME below.
 - A) If OM = 9 and EO = 12, then find SE



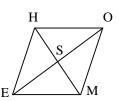
B) If $m\angle OHE = 88^{\circ}$, then find:







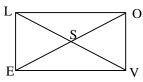




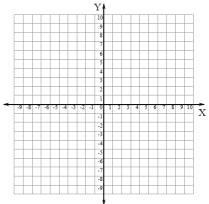
19) In **rectangle** LOVE below,

if $m\angle LEO = (3v + 10)^{\circ}$ and $m\angle VEO = (6v - 19)^{\circ}$,

find *v*



16) Indicate whether the parallelogram with coordinates P(-4, -5) Q(1, -5) R(-2, -1) S(-7, -1) is either a rhombus, a rectangle, or a square. Show your work for full credit.



Type:	
• •	

Extra credit

- 20) Refer to parallelogram SORT. Show all work.
- A) Solve for *x* _____ B) Solve for *y* _____
- C) Solve for t _____ D) Find $m\angle R$ _____

