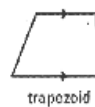
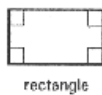
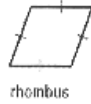
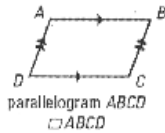


CH.8 PRACTICE TEST PART II:

TRY WITHOUT NOTES!!!

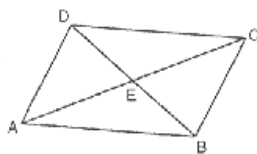
For #1-8, write **ALL** of the quadrilaterals that fit the description. (Your answer could include more than 1!!)



1. Both pairs of opposite sides are parallel.
2. Both pairs of opposite sides are congruent.
3. Both pairs of opposite angles are congruent.
4. Exactly one pair of opposite sides are parallel.
5. Exactly one pair of opposite sides are congruent.
6. Exactly one pair of opposite angles are congruent.
7. Diagonals are congruent.
8. Diagonals are perpendicular.

Multiple Choice.

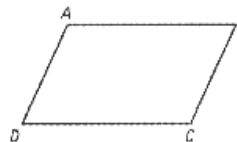
In the diagram of parallelogram $ABCD$, diagonals \overline{AC} and \overline{DB} intersect at E . $AE = 1.5x - 2$ and $CE = x + 12$.



What is the value of x ?

- (a) 8 (b) 16 (c) 20 (d) 40

10. In parallelogram $ABCD$ shown below, $m\angle C = (6s + 30)^\circ$, and $m\angle D = (6s - 30)^\circ$. What is the value of s ?



- (A) 15 (B) 10 (C) 45 (D) 90

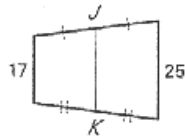
11. Which statement about quadrilaterals is true?

- (a) All quadrilaterals have four right angles.
- (b) All quadrilaterals have equal sides.
- (c) All quadrilaterals have four sides.
- (d) All quadrilaterals are parallelograms.

12. Which statement is false?

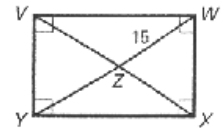
- (a) All parallelograms are quadrilaterals.
- (b) All rectangles are parallelograms.
- (c) All squares are rhombuses.
- (d) All rectangles are squares.

13. Find the length of the midsegment of the trapezoid shown.



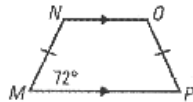
- (A) 21 (B) 19 (C) 20 (D) 22

14. Find the length of XV .



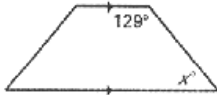
- (a) 15
(b) 30
(c) 45
(d) 7.5

15. Trapezoid $MNOP$ is isosceles. Find $m\angle O$.

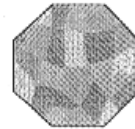


- A. 36° B. 72° C. 108° D. 144°

16. Solve for x .



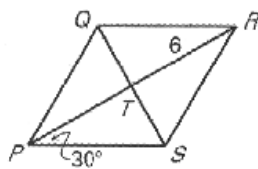
17. **Stained Glass Window** Part of a stained-glass window is a regular octagon, as shown. Find the measure of an interior angle of the regular octagon. Then find the measure of an exterior angle.



one interior angle: _____ $^\circ$ one exterior angle: _____ $^\circ$

18. What is the sum of the measures of the interior angles in a convex 12-gon?

The figure below is a rhombus. Find the indicated measures.



19. $m\angle QPR$

20. $m\angle PQR$

21. $m\angle RTS$

22. PR