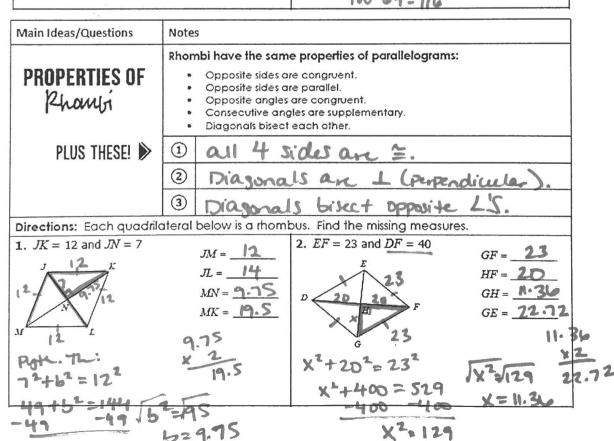
Opposite sides of Opposite sides of Opposite angles Consecutive and Diagonals bisect 1 4 right 2 Diagonal	are parallel. s are congruent. gles are supplementary. t each other.
② Dragona ateral below is a recta	Ingle. Find the missing measures.
10.00	
QR = 10	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$SR = 24$ $\Rightarrow SQ = 24$ $PR = 24$ $QT = 13$	$BD = \frac{30}{27}$ $BE = \frac{15}{15}$ $AB = \frac{21}{27}$ $AB = \frac{21}{11}$ $AB = \frac{13.0}{11}$
$m\angle MJK = 90^{\circ}$ $m\angle MJL = 40^{\circ}$ $m\angle JLK = 60^{\circ}$ $m\angle KML = 27^{\circ}$ $m\angle MNL = 126^{\circ}$ $= 126^{\circ}$	4. $m \angle XWY = SS^{\circ}$ $m \angle XWY = SS^{\circ}$ $m \angle YXZ = S1^{\circ}$ $m \angle XWZ = S0^{\circ}$ $m \angle XWZ = S0^{\circ}$ $m \angle XWZ = S0^{\circ}$ $m \angle XZY = S0^{\circ}$ $m \angle XZY = S0^{\circ}$
	$PR = 24$ $QT = 13$ $m \angle MJK = 90$ $m \angle MJL = 43$ $m \angle ML = 53$ $m \angle ML = 27$



PROPERTIES OF Squares

A square has ALL the properties of a parallelogram, rectangle, and rhombus!

- Opposite sides are congruent.
- · Opposite sides are parallel.
- Opposite angles are congruent.
- Consecutive angles are supplementary.
- · Diagonals bisect each other.
- · Four right angles.
- Diagonals are congruent.
- Four congruent sides.
- · Diagonals are perpendicular.
- Diagonals bisect opposite angles.
- 6. If ABCD is a square and AD = 11, find each missing value.



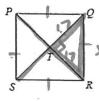
$$11^{2}+11^{2}=C^{2}$$
 $121+121=C^{2}$
 $\sqrt{242}=C^{2}$
 15.56

$$BC = 1$$

$$AC = 15.36$$

$$m\angle CBD = 4$$

7. If PQRS is a square and TR = 17, find each missing value.



$$17^{2} + 17^{2} = X^{2}$$
 $\sqrt{575} = \sqrt{2}$
 $24.04 = 3$

$$PR = \frac{34}{9}$$

$$QS = \frac{34}{9}$$

$$m \angle PRS = \frac{45}{90}$$

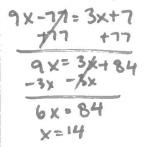
$$m \angle STR = \frac{90}{90}$$

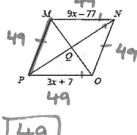
$$m \angle PSR = 90^{\circ}$$

$$PQ = 24.04$$

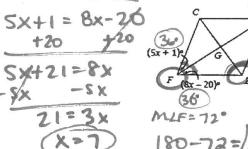
$$m\angle OPR = 45^{\circ}$$

8. If MNOP is a rhombus, find MP.





9. If CDEF is a rhombus, find m∠FED.



Always, Sometimes, Never

Directions: Determine whether the following statements are always, sometimes, or never true.

- A kite is a quadrilateral.
- A trapezoid is a parallelogram.
- A square is a rectangle.
- A rectangle is a square.
- A parallelogram is a rhombus.
- A rhombus is a quadrilateral.

