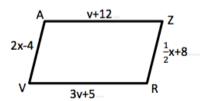
Geometry

Unit6 Test Review - Parallelogram

Name: ______

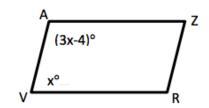
1. Given: VRZA is a parallelogram

Find the perimeter.



2. Given: VRZA is a parallelogram:

Find: $m \angle A$ and $m \angle Z$



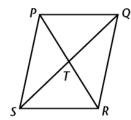
3. Given: Parallelogram ABCD. If $m \angle A = 31$, $m \angle C = 2x^2 - 1$, find x.

4. Given: Parallelogram ABCD. If $m \angle A = 4x + 11$, $m \angle B = 6x - 1$, find $m \angle C$.

5. PQRS is a rhombus. Solve for the variable requested.

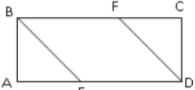
Given: PQ=4y-7, PS=y+8

Find: The length of QR.



5. PQRS is a rectangle. Solve for the variable requested. Given: $PT=9x+20$, $TS=10x+8$ Find: PR .					
7. Given: Parallelogram FHNE; $\angle FHR\cong \angle NEC$ Prove: $RH\cong EC$	F H C N				
Statements	Reasons				
8. Given: ACEF is a rhombus; $AC\cong BC$ Prove: $\angle 1\cong \angle 2$	F 1 E				
Statements	Reasons A C B				

9.	Given:	Parallelogram ABCD;
		AE≅CF, BF≅DE
	Prove: F	BFD is a parallelogram



Reasons	А		E	
	Reasons	Reasons	Reasons	Reasons

Mark the shapes that have each property.

	Parallelogram	Rhombus	Rectangle	Square
11. The diagonals are perpendicular				
12. The figure has four right angles.				
13. The opposite sides are congruent.				
14. The diagonals are congruent.				
15. The figure has four congruent sides.				
16. The diagonals bisect each other.				
17. The consecutive angles are supp.				
18. Each diagonal bisects opp angles.				

19. Think carefully about the properties of the polygon below. Answer the questions accordingly.

Rectangle ABCD

DE = 10, m<BCE = 62º

