Quiz Review

Name: _____

1. **The formula for the sum of *interior* angles in any polygon is S = _____.**

2. **The sum of exterior angles in any polygon is = _____.**

3. **An interior and exterior angle in any polygon make a _____ _____ and add to _____.**

4. **To find a single interior angle, we first find the exterior angle by using the formula: Exterior angle = _____ and then use #3 above.**

5. **Complete the table below:**

Sides	Name	*Sum* of Interior ∠'s	*One* Interior ∠	*One* Exterior ∠
6		720°	120°	
8				45°
	Decagon	1440°	144°	
	Dodecagon			30°

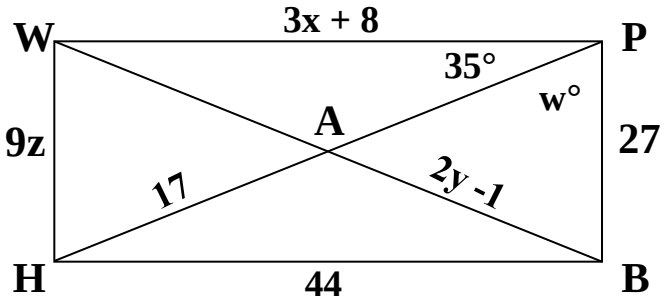
6. **How many sides does a figure have if it has an interior angle of 162°?**

7. **What is the sum of interior angles in a 48-gon?**

8. **What is the sum of exterior angles in a 54-gon?**

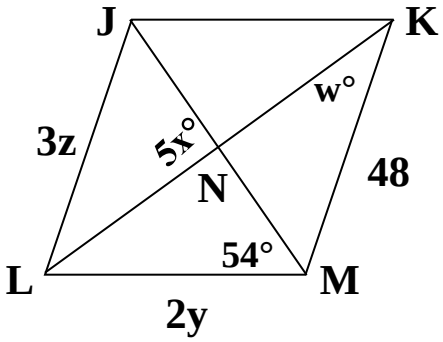
Find the variables in the following problems using an equation:

Rectangle WPBH



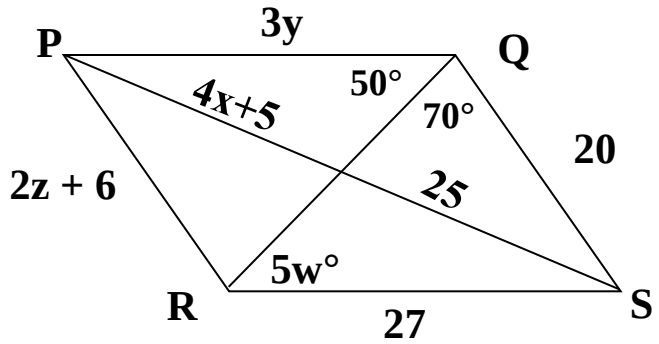
w = _____
x = _____
y = _____
z = _____

Rhombus JKML



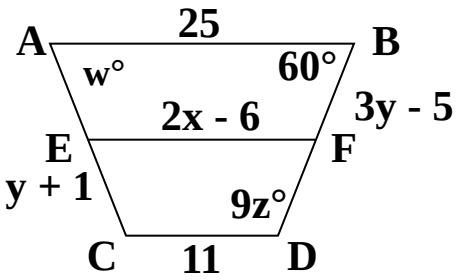
w = _____
x = _____
y = _____
z = _____

Parallelogram PQSR



w = _____
x = _____
y = _____
z = _____

Isosceles Trapezoid ABDC, with median EF



w = _____
x = _____
y = _____
z = _____