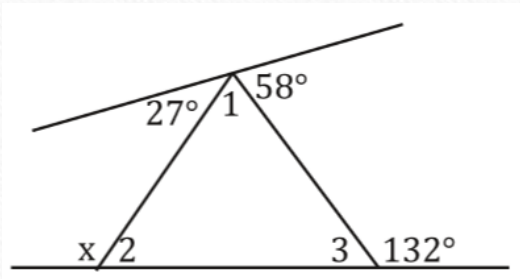
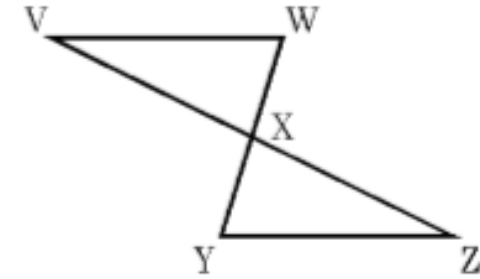


# WARM UP

1. Find the value of  $x$



2. For the proof listed to the right state the reason for each claim in the proof.



Given:  $\overline{VW} \parallel \overline{ZY}$   
 $WX = YX$

Prove:  $\triangle VWX \cong \triangle XYZ$

Statement	Reason
$\overline{VW} \parallel \overline{ZY}$	(1)
$m\angle W = m\angle Y$	(2)
$WX = YX$	(3)
$m\angle VXW = m\angle ZXY$	(4)
$\triangle VWX \cong \triangle ZYX$	(5)

# Objectives

- Review Geometry Concepts

# Homework

- Released test questions packet
  - Section I: 6, 7, 9, 14, 20, 21
  - Section II: 2
  - Section III: 11
- Any unfinished classwork problems

## Schedule this week

- ✓ Monday – Quadratics and Polynomials
- ✓ Tuesday – Logs/Exponents and Statistics
- ✓ Wednesday – Rational Functions
- Thursday – Geometry
- Friday – Trigonometry

# After School Blitz sessions this week

Monday	Logarithms	Davis Schmutz	2:30 – 3:30	Complete Logarithms assignment Add 7 points to Logarithms Unit Test
Tuesday	Statistics	Dixon Davis	2:30 – 3:30	Complete Statistics assignment Add 7 points to Statistics Unit Test
Wednesday	Rational Expressions	Dixon Schmutz	2:30 – 3:30	Replace lowest quiz grade with 100
Thursday	Geometry	Dixon Schmutz Davis	2:30 – 3:30	Complete Geometry assignment Add 7 points to Geometry Unit Test
Friday	Trig with the Unit Circle	Dixon Schmutz Davis	2:30 – 3:30	Complete Trigonometry assignment Add 7 points to Trigonometry Unit Test

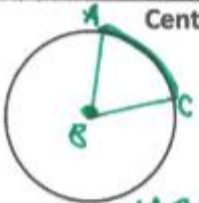

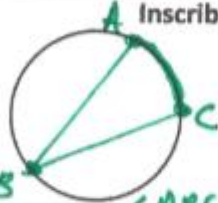
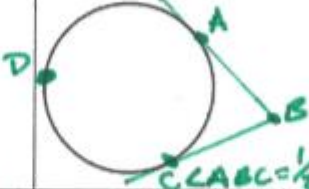
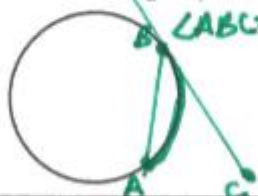
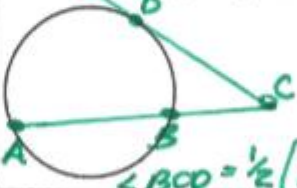
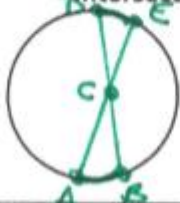
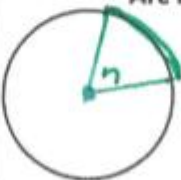
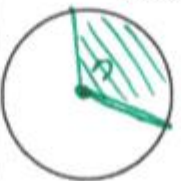
CONGRUENT TRIANGLES	SIMILAR TRIANGLES
<p>SSS</p>	<p>SSS</p>
<p>SAS</p>	<p>SAS</p>
<p>ASA</p>	<p>AAA</p>
<p>AAS</p>	<p>Parallel Line Properties</p>
<p>HL</p>	<p>Congruent Angles Pairs:</p> <p>Vertical Corresponding Alt interior Alt exterior</p>

$$\frac{b}{e} = \frac{a}{d} = \frac{c}{f}$$

$$\angle C \cong \angle F$$

$$\frac{a}{d} = \frac{c}{f}$$

Make sure the Geometry pages of your formula book has the following items completed.

INTERIOR ANGLES	EXTERIOR ANGLES
<p>Central</p>  <p><math>\angle ABC = \widehat{AC}</math></p>	<p>Secant/Secant</p>  <p><math>\angle BCD = \frac{1}{2}(\widehat{AE} - \widehat{BD})</math></p>
<p>Inscribed</p>  <p><math>\angle ABC = \frac{1}{2}\widehat{AC}</math></p>	<p>Tangent/Tangent</p>  <p><math>\angle ABC = \frac{1}{2}(\widehat{ADL} - \widehat{AC})</math></p>
<p>Tangent/Chord</p>  <p><math>\angle ABC = \frac{1}{2}\widehat{AB}</math></p>	<p>Secant/Tangent</p>  <p><math>\angle BCD = \frac{1}{2}(\widehat{AD} - \widehat{BD})</math></p>
<p>Intersecting Chords</p>  <p><math>\angle ACB = \frac{1}{2}(\widehat{AB} + \widehat{DE})</math></p>	<p>Arc Length</p>  <p><math>\frac{n}{360} 2\pi r</math></p>
	<p>Sector Area</p>  <p><math>\frac{n}{360} \pi r^2</math></p>

SEGMENT LENGTHS  
 $\overline{ED} \cdot \overline{DC} = \overline{AB} \cdot \overline{BC}$

$\overline{DC}^2 = \overline{AB} \cdot \overline{BC}$

SEGMENT LENGTHS  
 $\overline{DC} \cdot \overline{CB} = \overline{EC} \cdot \overline{CA}$

Make sure the Geometry pages of your formula book has the following items completed.