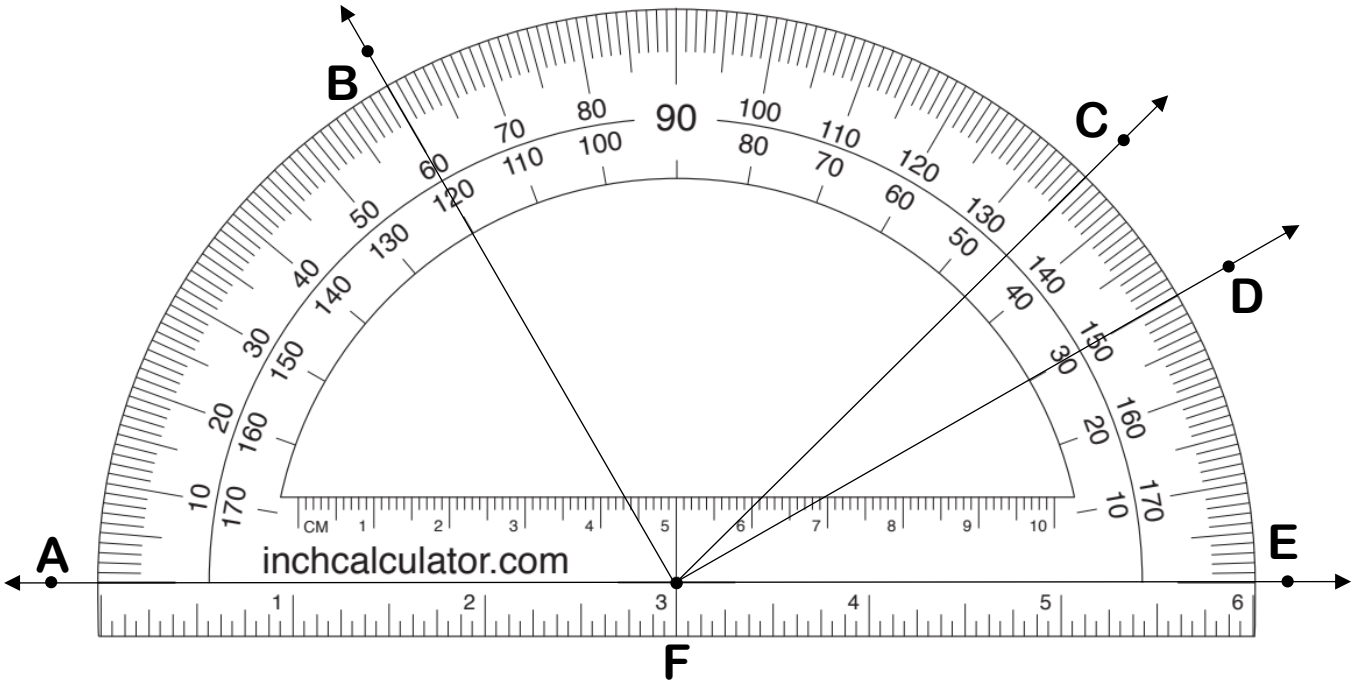
Session #2: All About Angles (Day 3 Math Lesson)



Measure ∠EFB _____ **Angle Type**_____

Measure ∠DFE _____ **Angle Type**_____

Measure ∠CFD _____ **Angle Type**_____

Measure ∠BFD _____ **Angle Type**_____

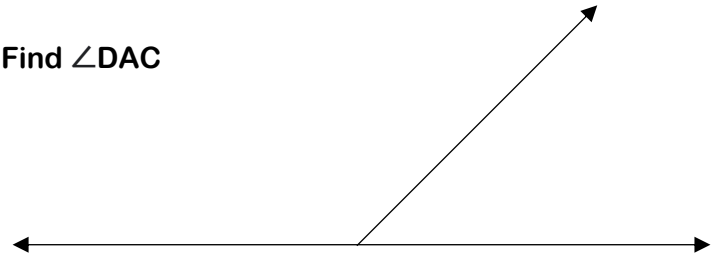
Measure ∠AFE _____ **Angle Type**_____

Name two complementary angles: _____

Name two supplementary angles: _____

Complementary angles sum to _____. Supplementary angles sum to _____.

Find ∠DAC



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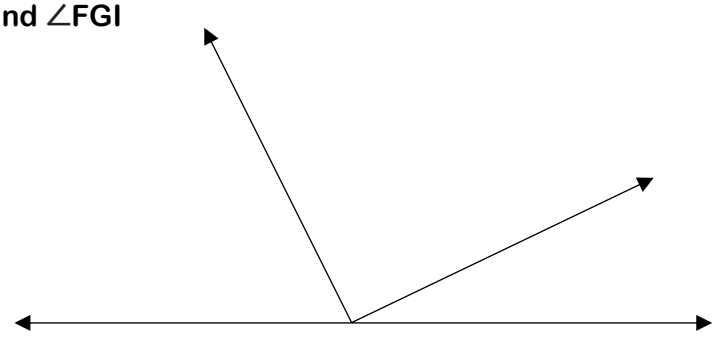
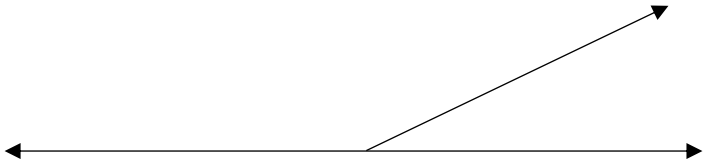
Find ∠FGI



Find the missing angle:



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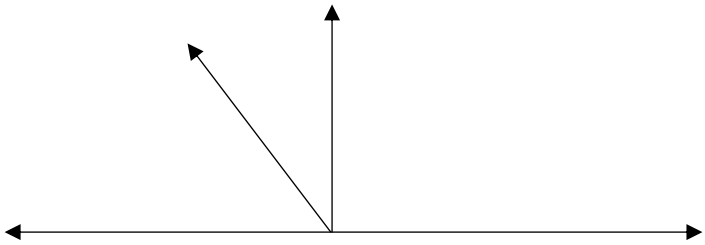
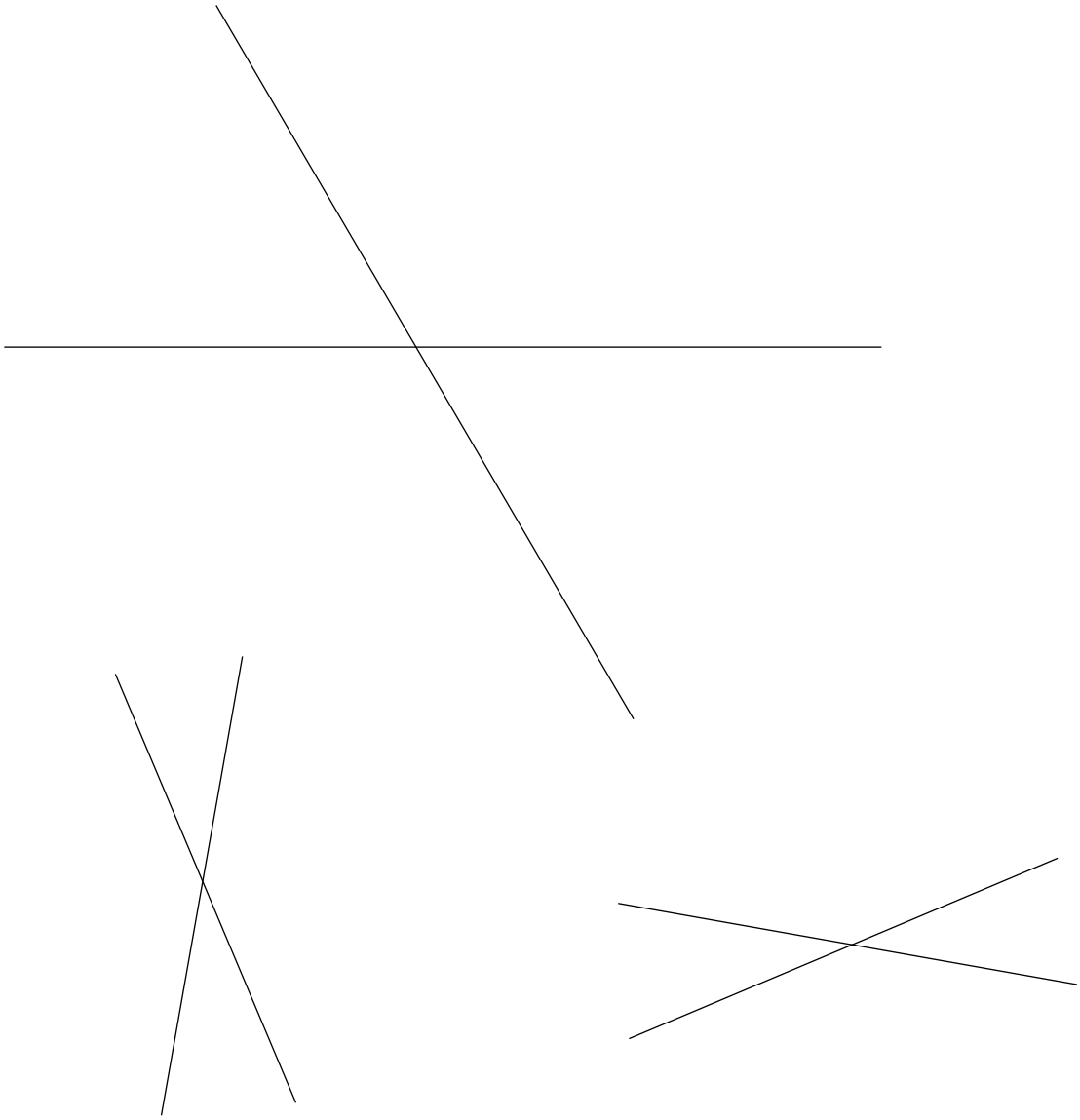


VERTICAL ANGLES are congruent.
They are a pair of opposite angles formed by two intersecting lines.

ADJACENT ANGLES share a common side and vertex.
They can be supplementary if they are formed from a straight angle.



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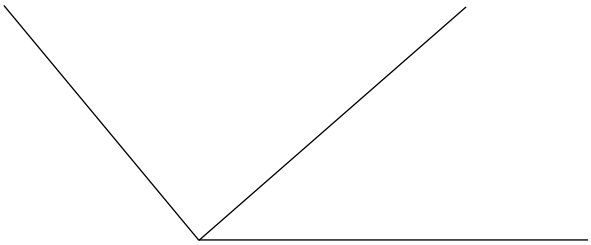
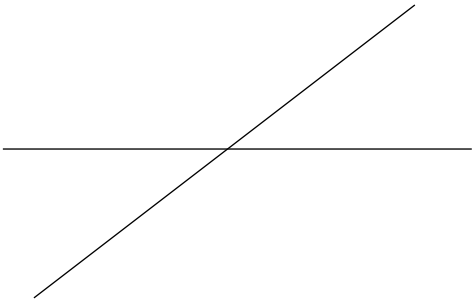
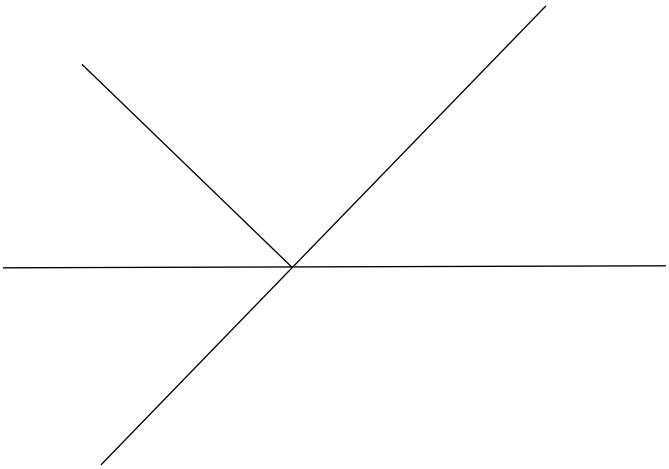
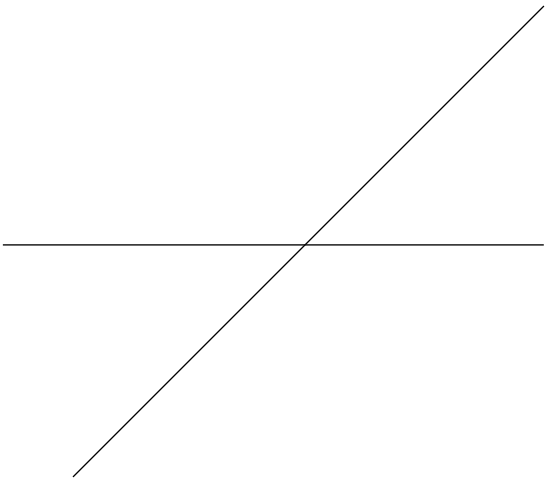
Find the missing angles:









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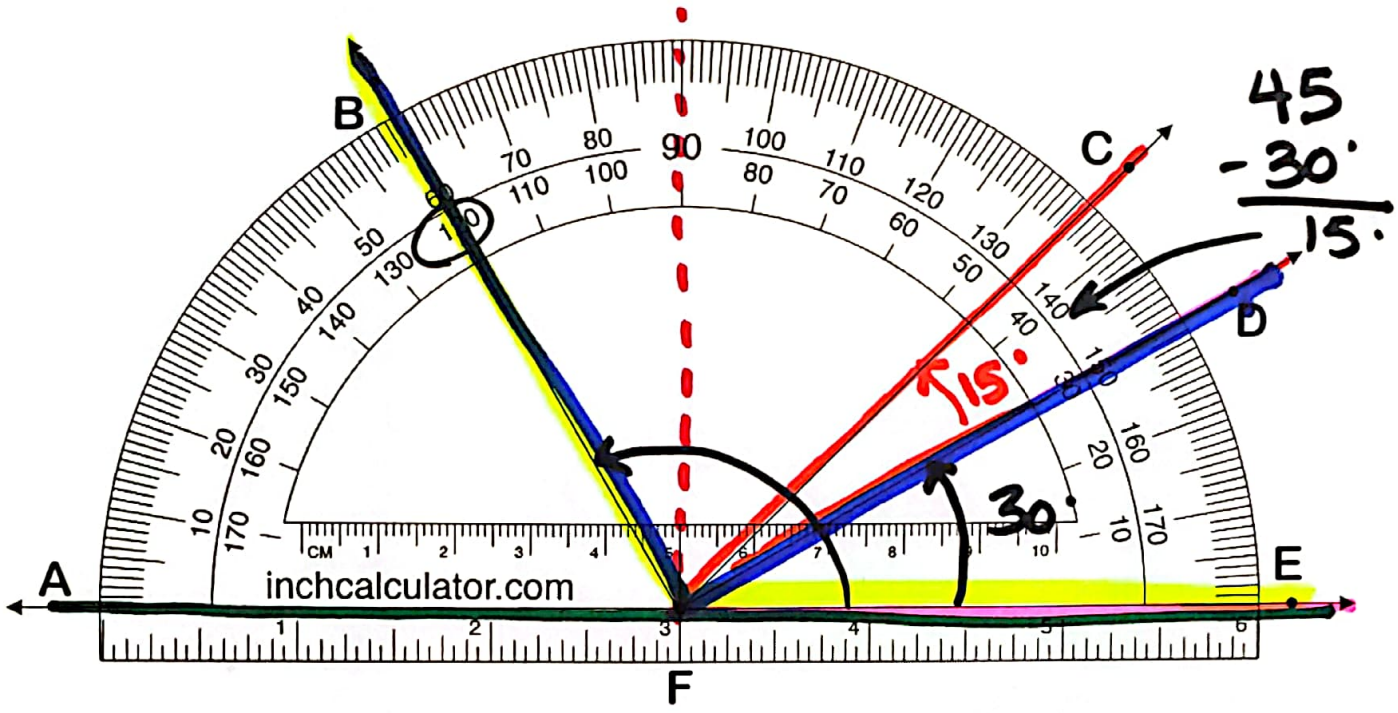

Measure ∠EFB 120° Angle Type obtuse

120.
-30
90.

Measure ∠DFE 30° Angle Type acute

Measure ∠CFD 15. Angle Type acute

Measure ∠BFD 90. Angle Type right

Measure ∠AFE 180° Angle Type Straight

+ to 90.

→ Name two complementary angles: ∠BFC + ∠CFD

+ to 180.

→ Name two supplementary angles: ∠AFB + ∠BFE

=

Complementary angles sum to 90°. Supplementary angles sum to 180°.

Find ∠DAC

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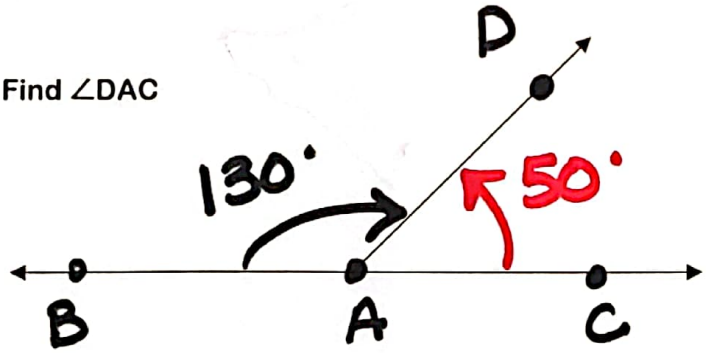
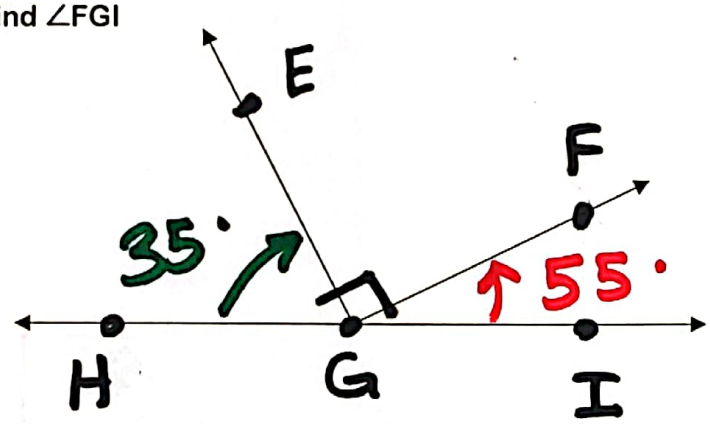


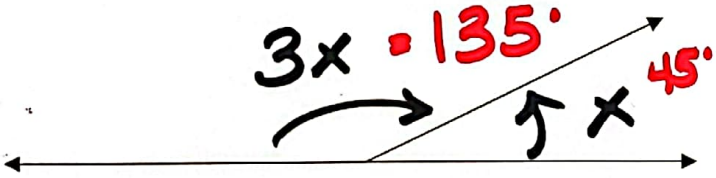
180
−130
50

Find ∠FGI



180
− 35
− 90
55°

Find the missing angle:

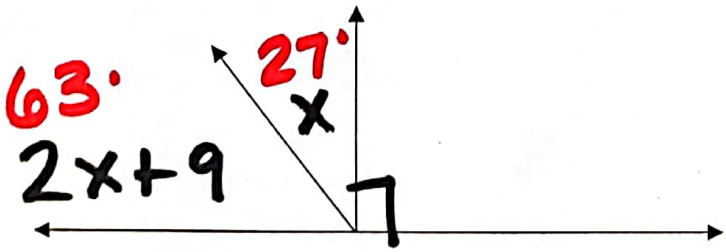


$180 = 3x + x$

$\frac{180}{4} = \frac{4x}{4}$

$x = 45°$

Find the missing angles



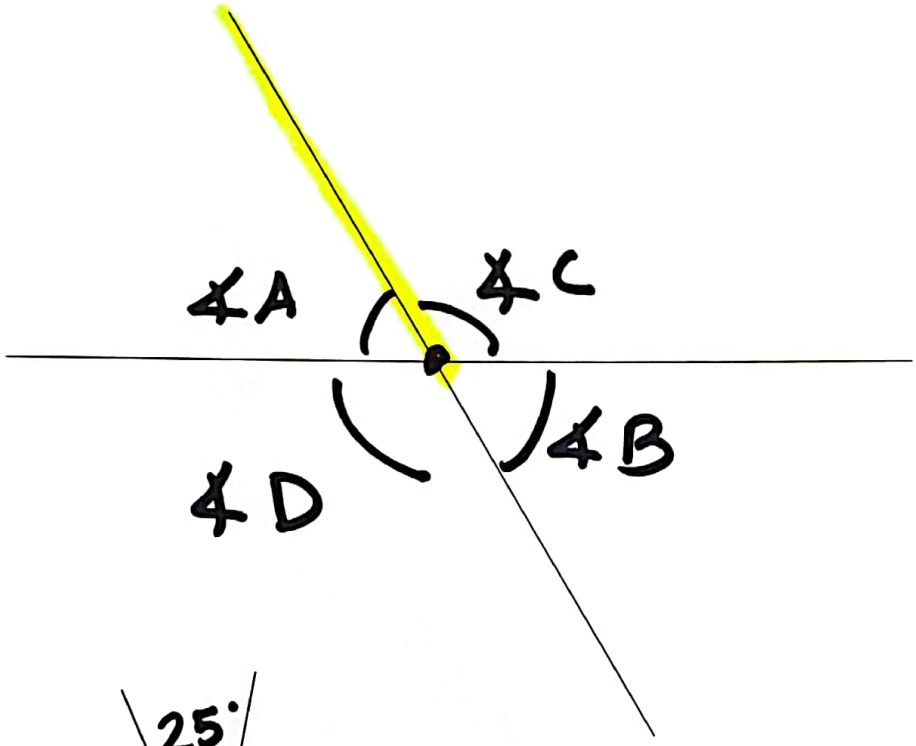
$90 = 2x+9 + x$

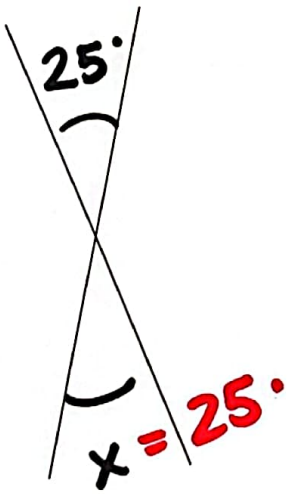
$-9 \quad -9$

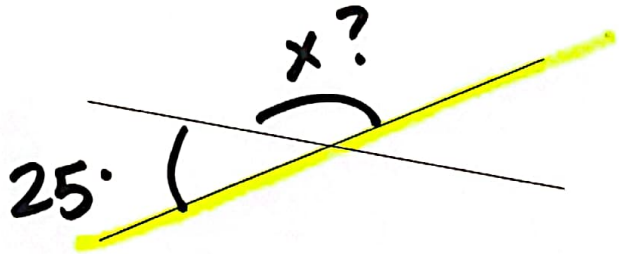
$\frac{81}{3} = \frac{3x}{3} \Rightarrow x = 27°$

VERTICAL ANGLES are congruent. ∠A + ∠B
They are a pair of opposite angles formed by two intersecting lines.

ADJACENT ANGLES share a common side and vertex.
They can be supplementary if they are formed from a straight angle. ∠A + ∠C







$180° = x + 25°$
$-25 \quad -25$
$x = 155°$

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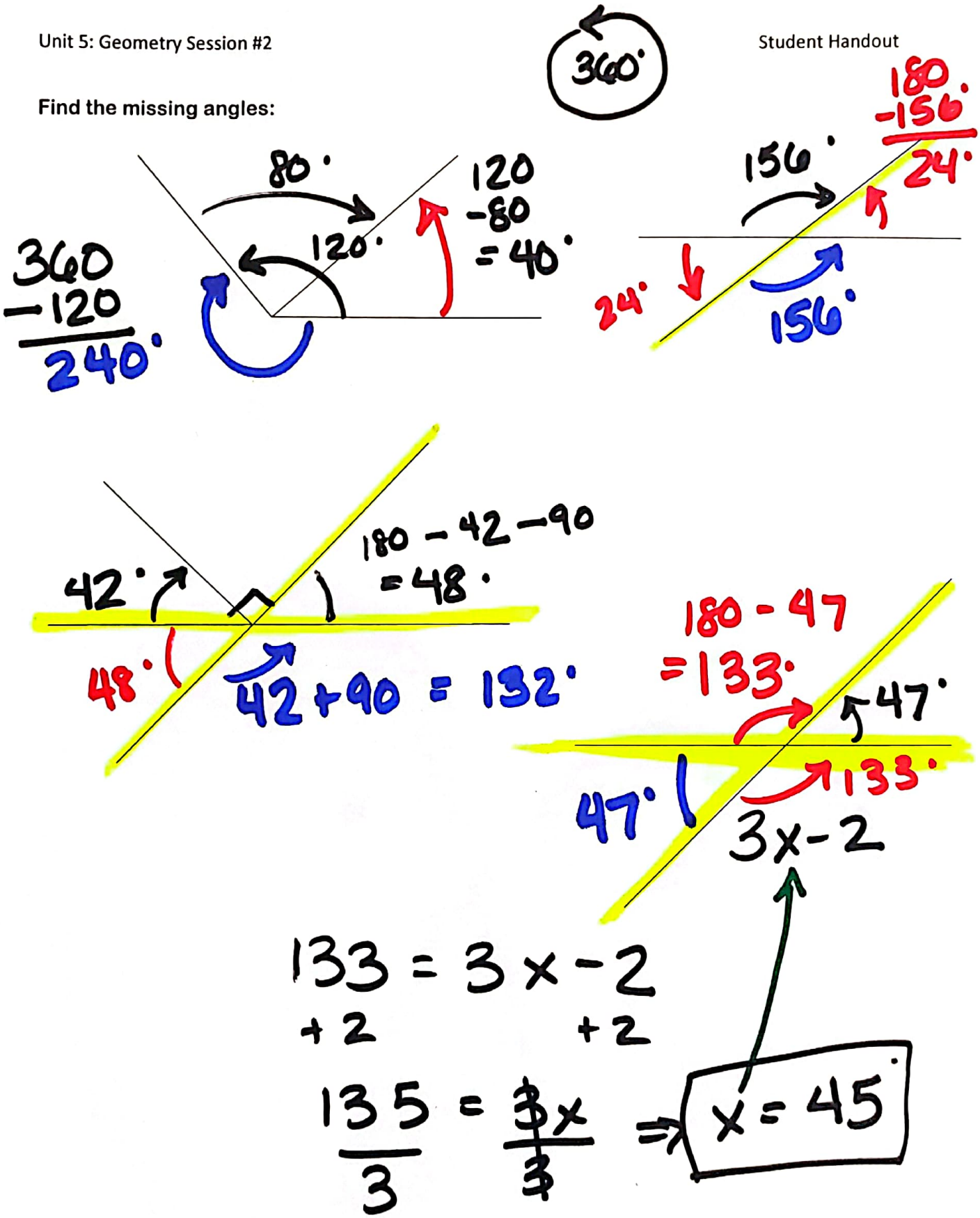
Find the missing angles:



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