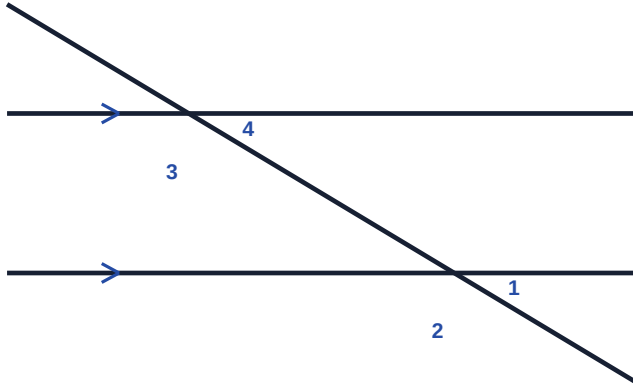


Corresponding Angles

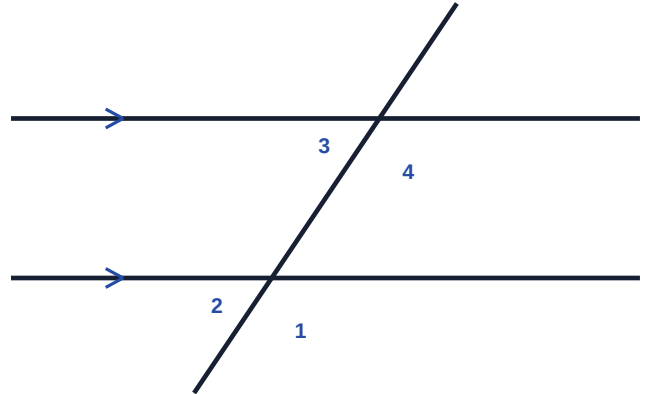
Use the marked parallel lines to find the two missing corresponding angles.

1. Find angles 3 and 4.
Given: $A1 = 31 \text{ deg}$; $A2 = 149 \text{ deg}$



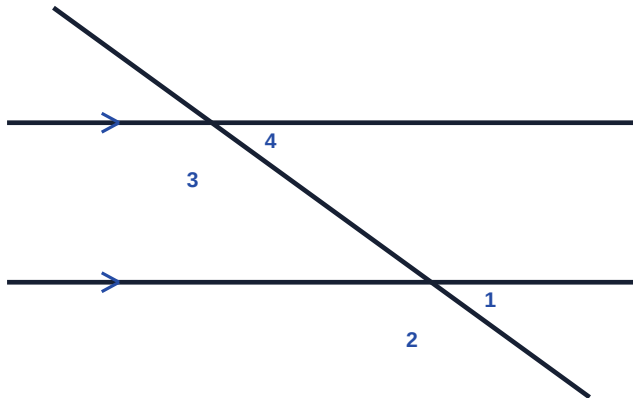
A3, A4: _____

2. Find angles 1 and 3.
Given: $A2 = 56 \text{ deg}$; $A4 = 124 \text{ deg}$



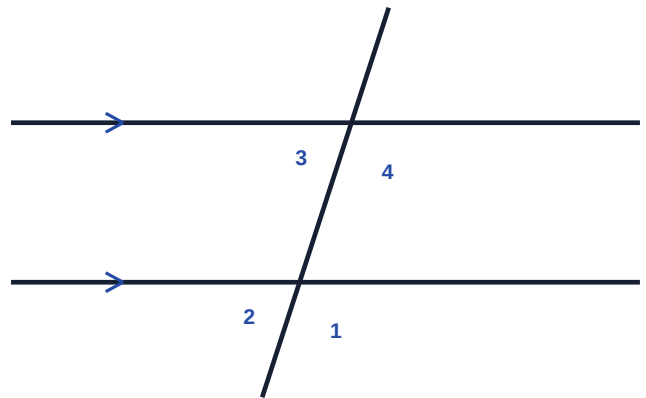
A1, A3: _____

3. Find angles 2 and 4.
Given: $A1 = 36 \text{ deg}$; $A3 = 144 \text{ deg}$



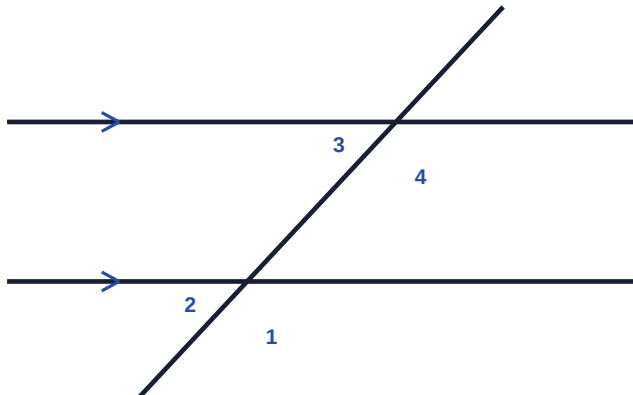
A2, A4: _____

4. Find angles 3 and 4.
Given: $A1 = 108 \text{ deg}$; $A2 = 72 \text{ deg}$



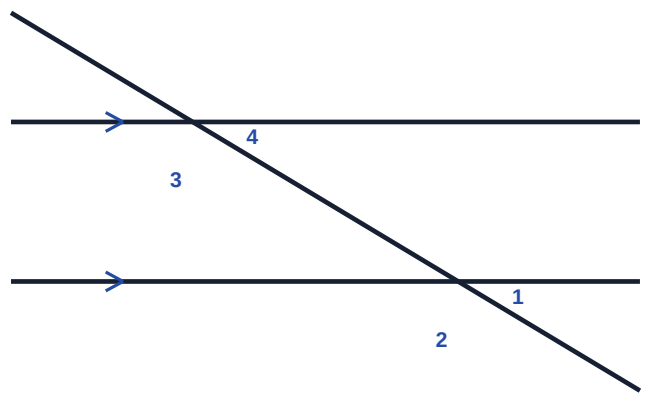
A3, A4: _____

5. Find angles 1 and 2.
Given: $A3 = 47 \text{ deg}$; $A4 = 133 \text{ deg}$



A1, A2: _____

6. Find angles 1 and 2.
Given: $A3 = 149 \text{ deg}$; $A4 = 31 \text{ deg}$



A1, A2: _____

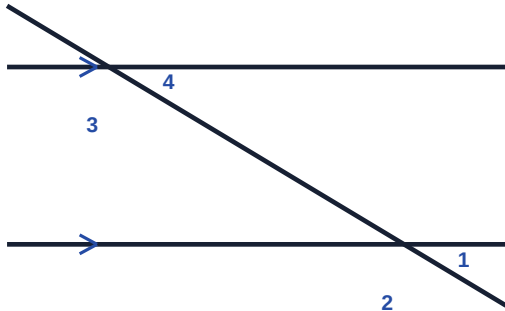
Corresponding Angles

Worked Answer Key

Use the marked parallel lines to find the two missing corresponding angles.

1. Find angles 3 and 4.

Given: $A_1 = 31^\circ$; $A_2 = 149^\circ$



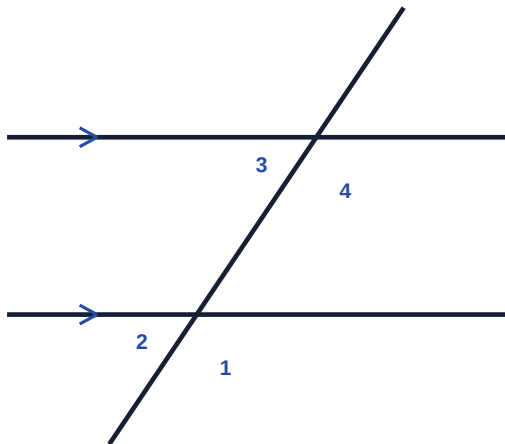
Angle 3 = angle 2 = 149° because corresponding angles on parallel lines are equal.

Angle 4 = angle 1 = 31° because corresponding angles on parallel lines are equal.

Answers: $A_3 = 149^\circ$; $A_4 = 31^\circ$

2. Find angles 1 and 3.

Given: $A_2 = 56^\circ$; $A_4 = 124^\circ$



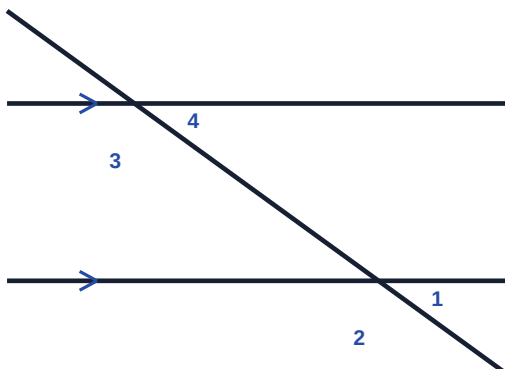
Angle 1 = angle 4 = 124° because corresponding angles on parallel lines are equal.

Angle 3 = angle 2 = 56° because corresponding angles on parallel lines are equal.

Answers: $A_1 = 124^\circ$; $A_3 = 56^\circ$

3. Find angles 2 and 4.

Given: $A_1 = 36^\circ$; $A_3 = 144^\circ$



Angle 2 = angle 3 = 144° because corresponding angles on parallel lines are equal.

Angle 4 = angle 1 = 36° because corresponding angles on parallel lines are equal.

Answers: $A_2 = 144^\circ$; $A_4 = 36^\circ$

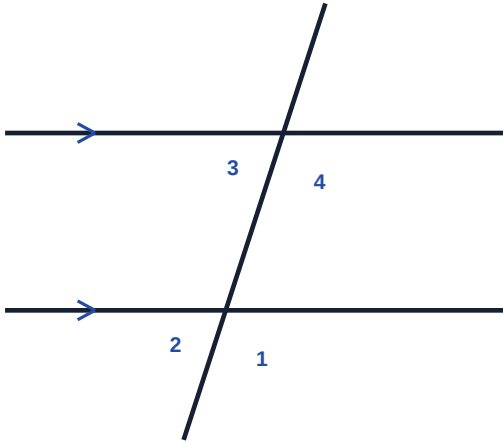
Corresponding Angles

Worked Answer Key

Use the marked parallel lines to find the two missing corresponding angles.

4. Find angles 3 and 4.

Given: $A1 = 108^\circ$; $A2 = 72^\circ$



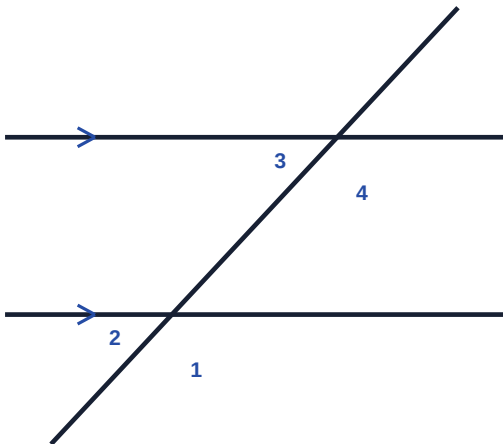
Angle 3 = angle 2 = 72° because corresponding angles on parallel lines are equal.

Angle 4 = angle 1 = 108° because corresponding angles on parallel lines are equal.

Answers: $A3 = 72^\circ$; $A4 = 108^\circ$

5. Find angles 1 and 2.

Given: $A3 = 47^\circ$; $A4 = 133^\circ$



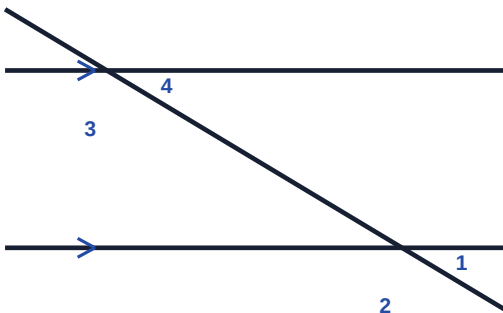
Angle 1 = angle 4 = 133° because corresponding angles on parallel lines are equal.

Angle 2 = angle 3 = 47° because corresponding angles on parallel lines are equal.

Answers: $A1 = 133^\circ$; $A2 = 47^\circ$

6. Find angles 1 and 2.

Given: $A3 = 149^\circ$; $A4 = 31^\circ$



Angle 1 = angle 4 = 31° because corresponding angles on parallel lines are equal.

Angle 2 = angle 3 = 149° because corresponding angles on parallel lines are equal.

Answers: $A1 = 31^\circ$; $A2 = 149^\circ$