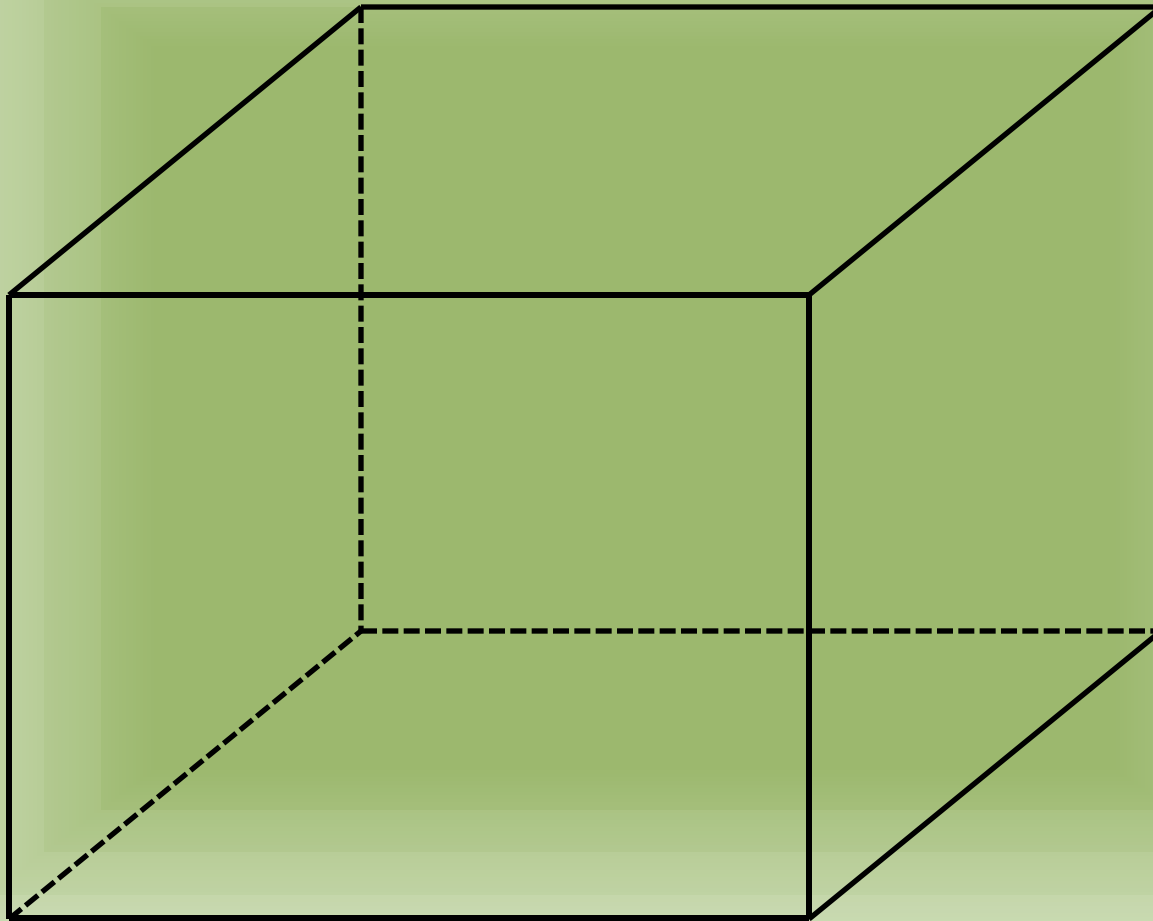


Lines and Angles

Math Essentials

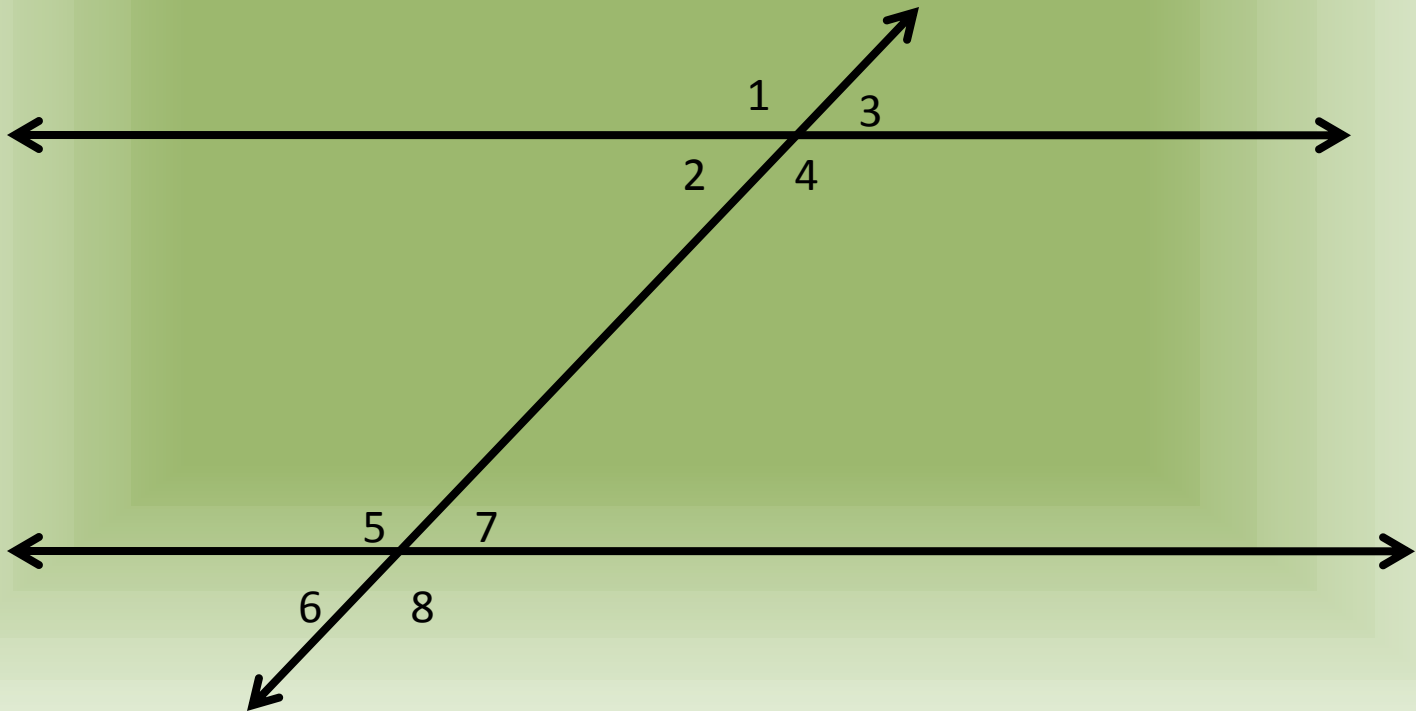
Parallel, Skew, and Perpendicular

- Parallel lines are 2 coplanar lines that never cross.
- Skew lines are 2 non-coplanar lines that never cross.
- Perpendicular lines are 2 coplanar lines that cross and make right angles (symbol).



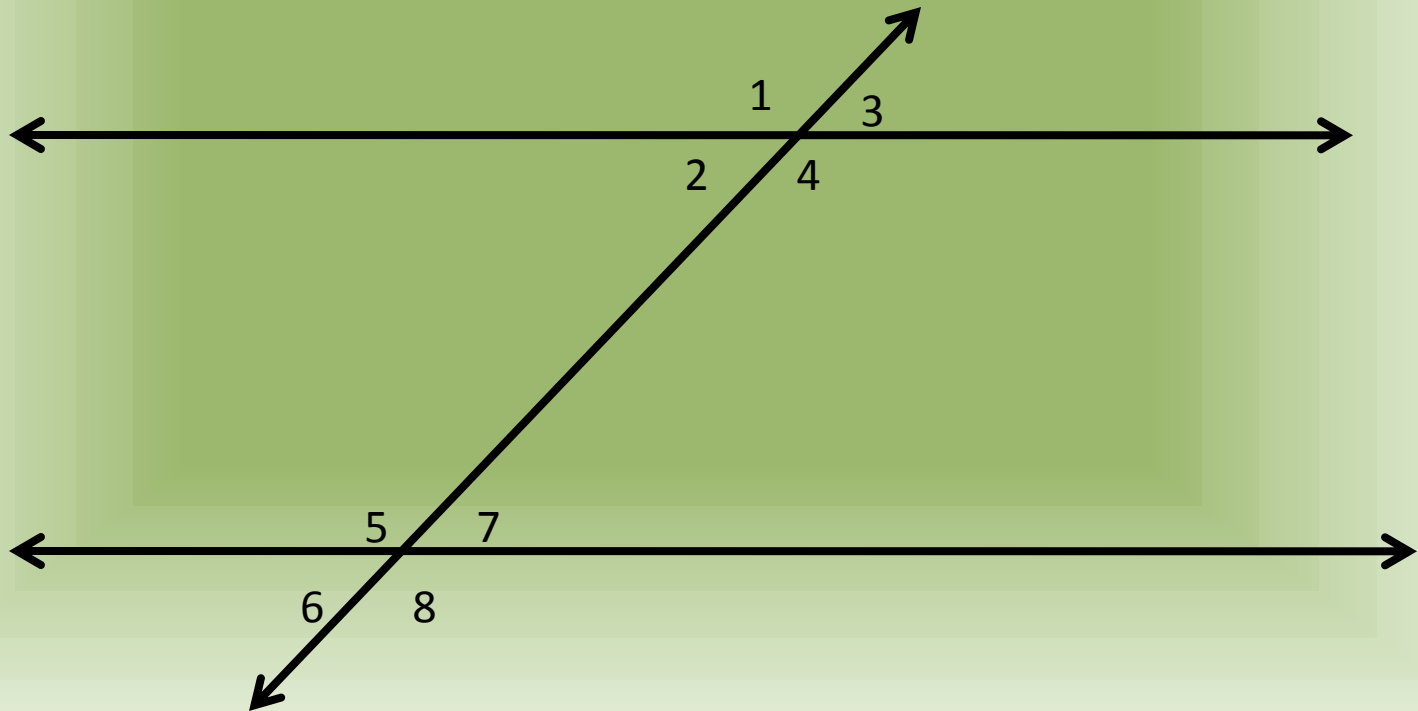
Alternate Interior Angles

- 2 angles (1 from each group) on opposite sides on the transversal that are both in the interior



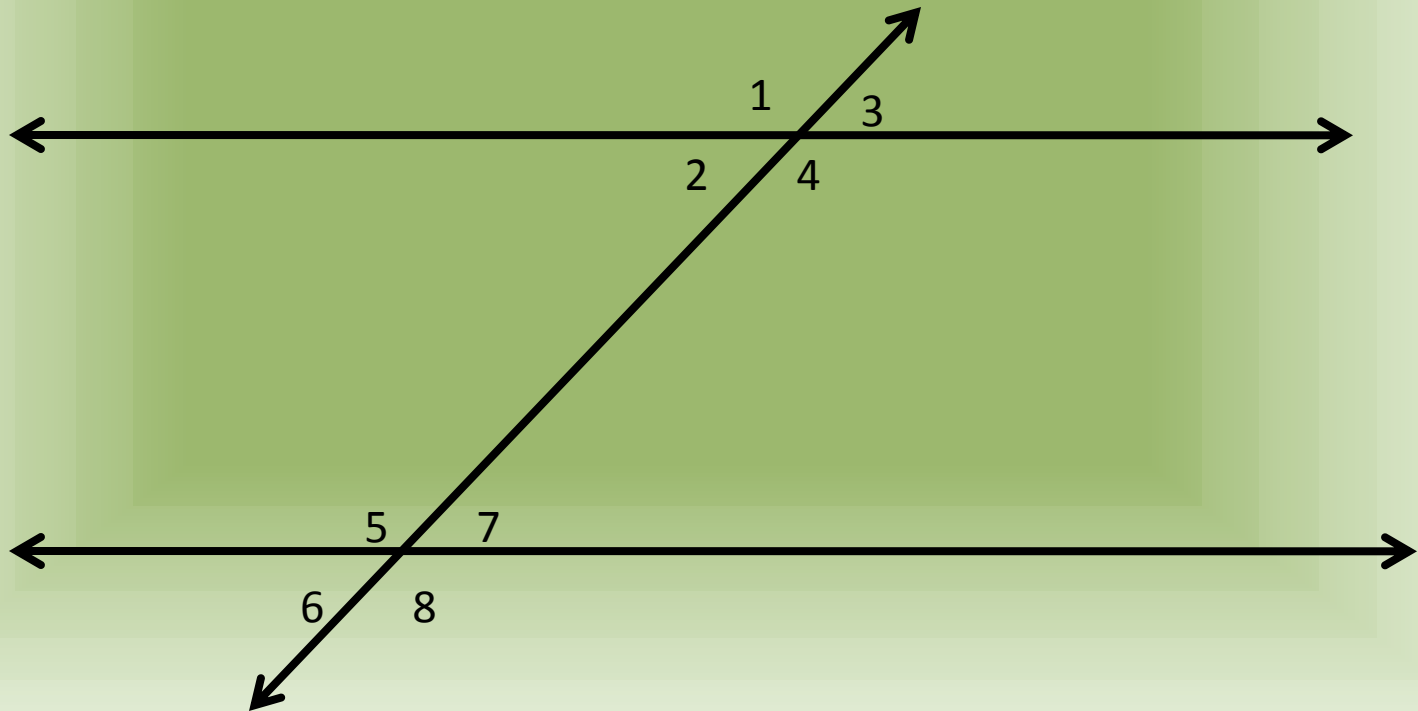
Alternate Exterior Angles

- 2 angles that are on opposite sides of the transversal and are both in the **exterior**.



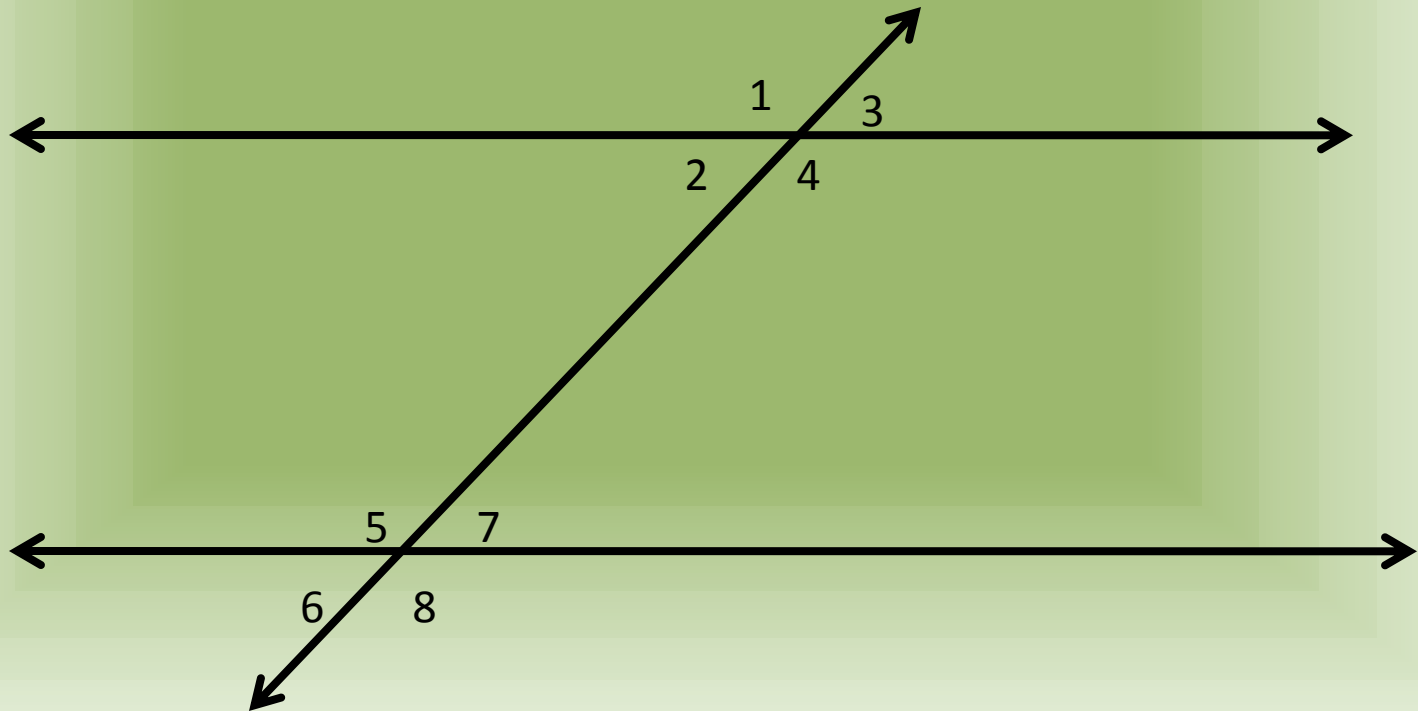
Corresponding Angles

- 2 angle on the same side of the transversal and 1 is in the interior and 1 in the exterior.



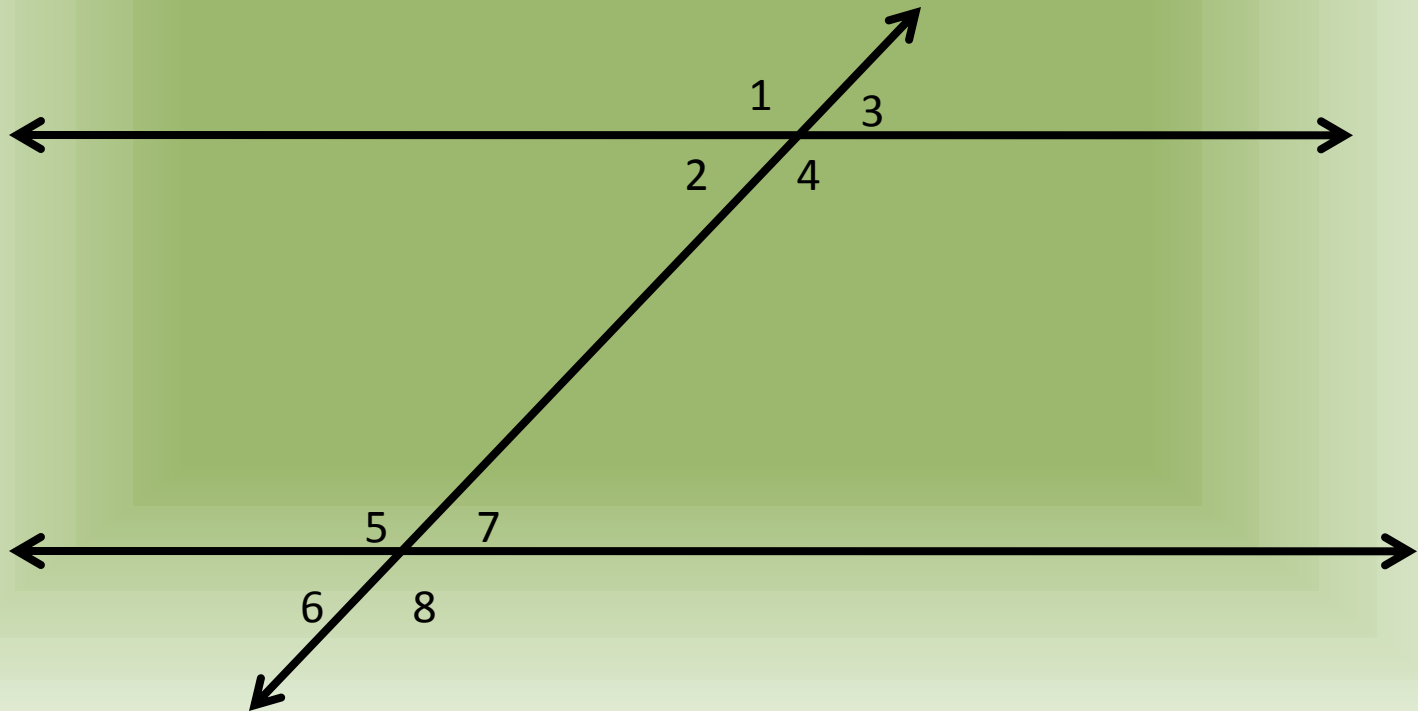
Consecutive Interior Angles

- 2 angles on the same side of the transversal and both in the interior.



Consecutive Exterior Angles

- 2 angles on the same side of the transversal and both in the exterior.



If 2 lines are parallel then...

Alternate Interior Angles (AIA) are congruent.

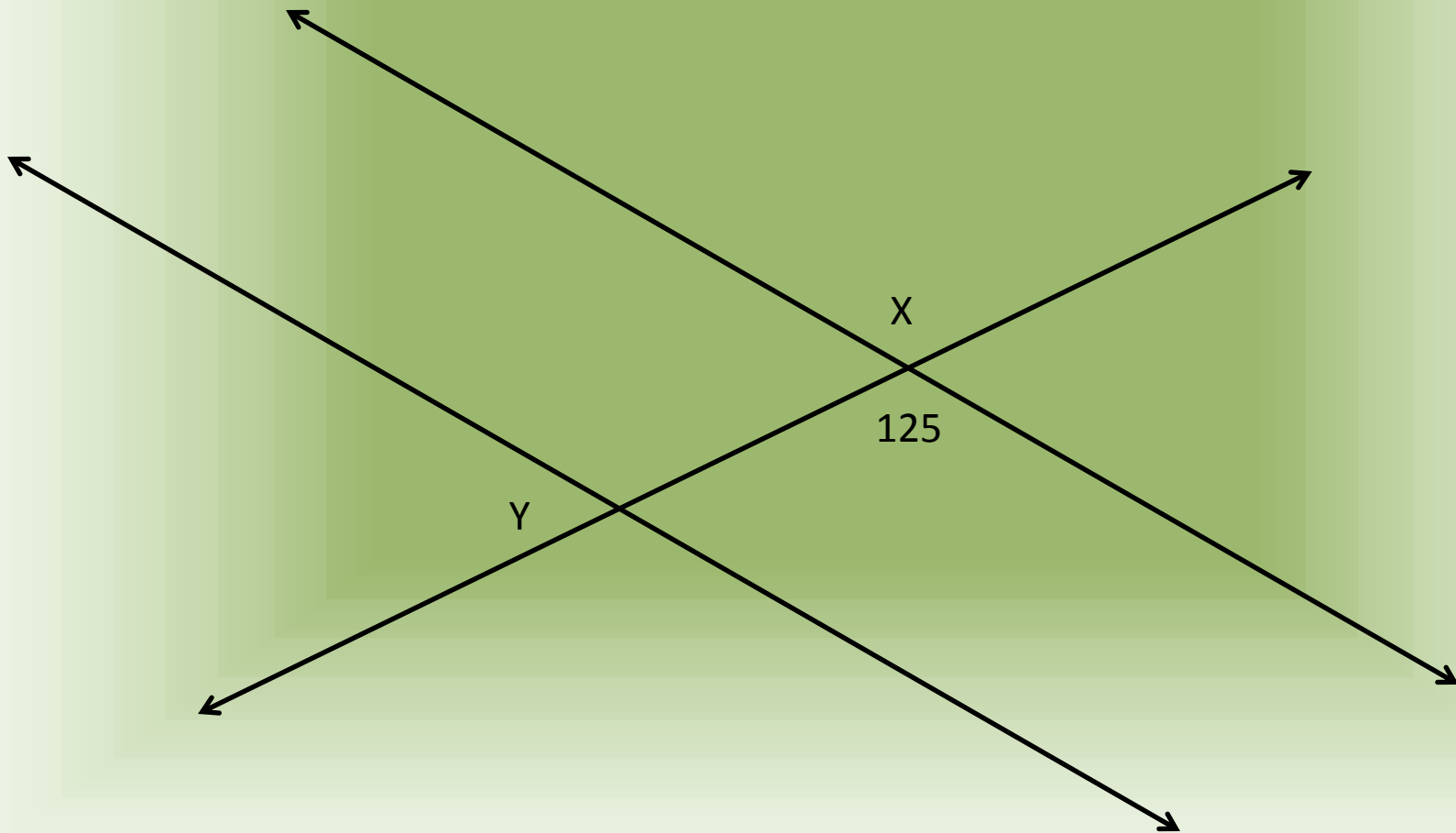
Alternate Exterior Angles (AEA) are congruent.

Corresponding Angles (CA) are congruent

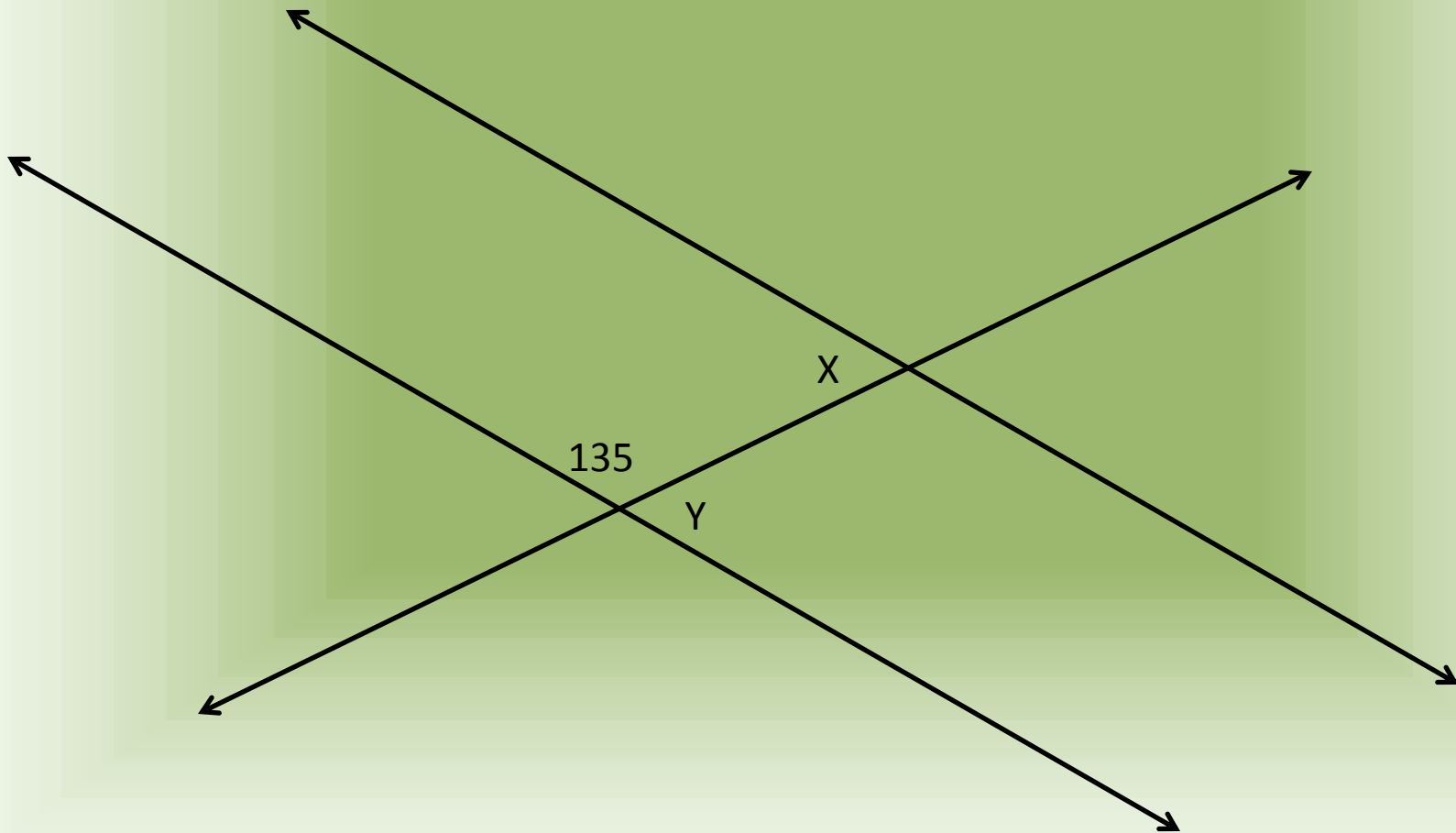
Consecutive Interior Angles (CIA) are
supplementary.

Consecutive Exterior Angles (CEA) are
supplementary.

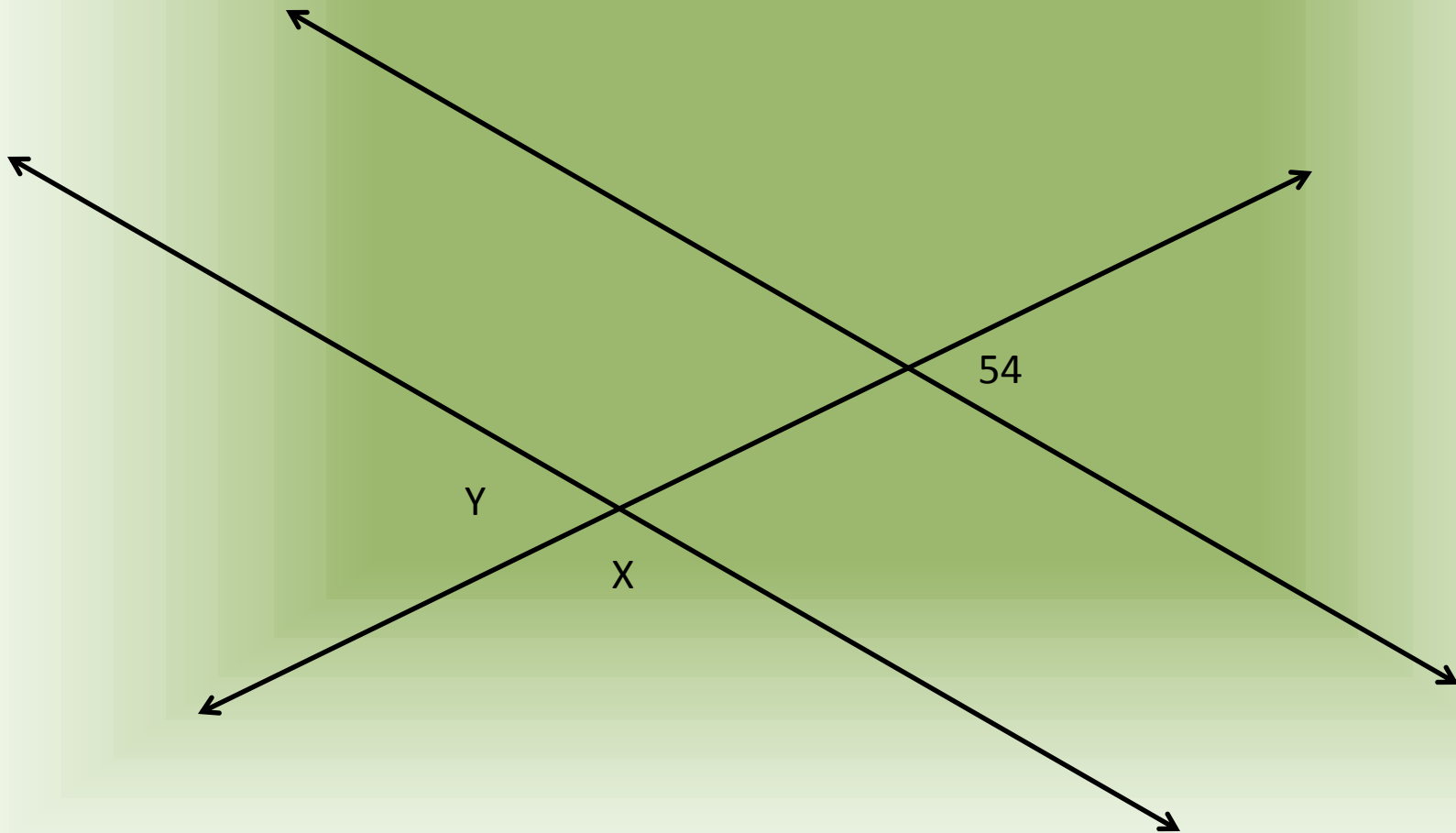
Find the value of x and y .



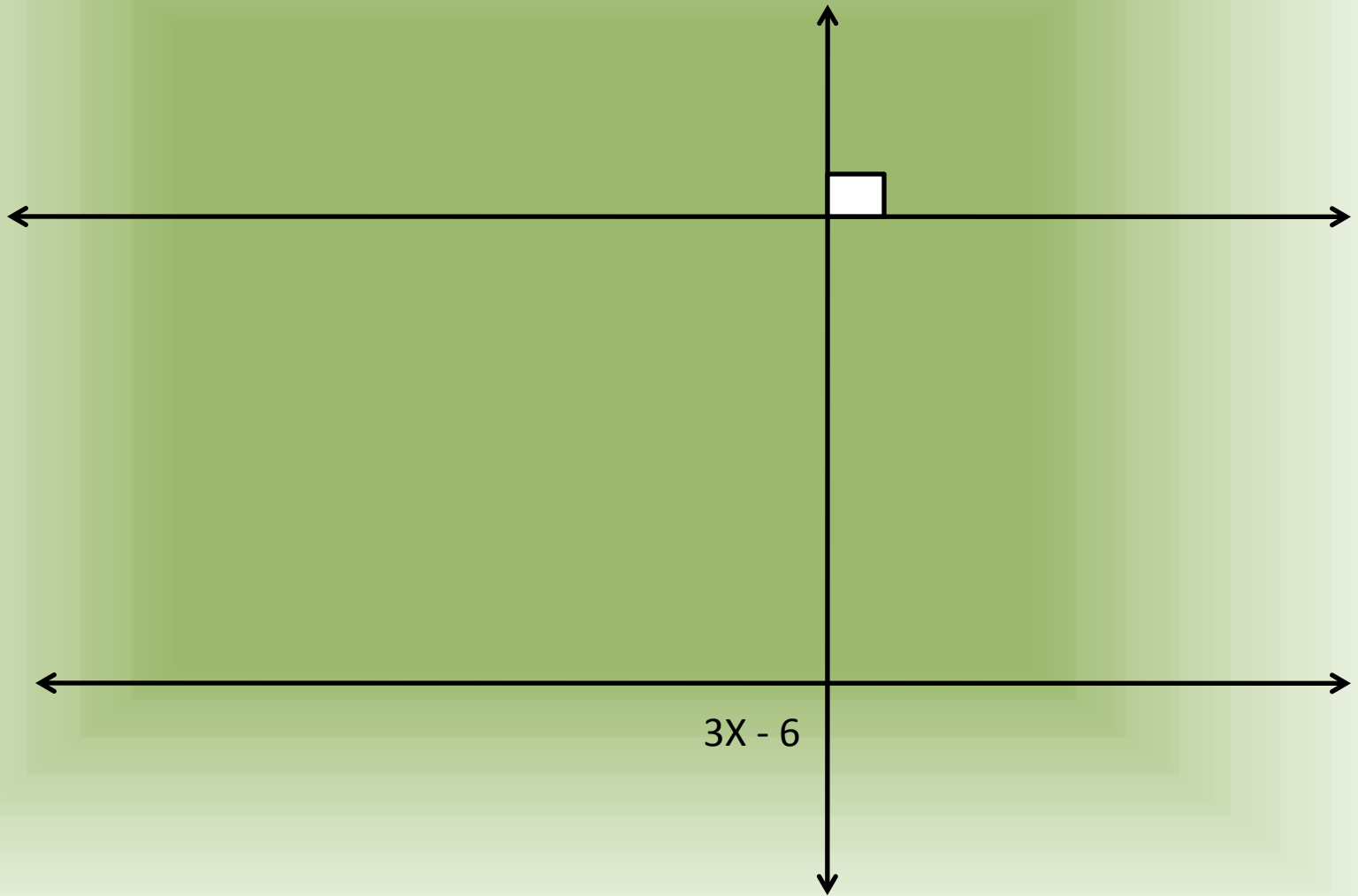
Find the value of x and y .



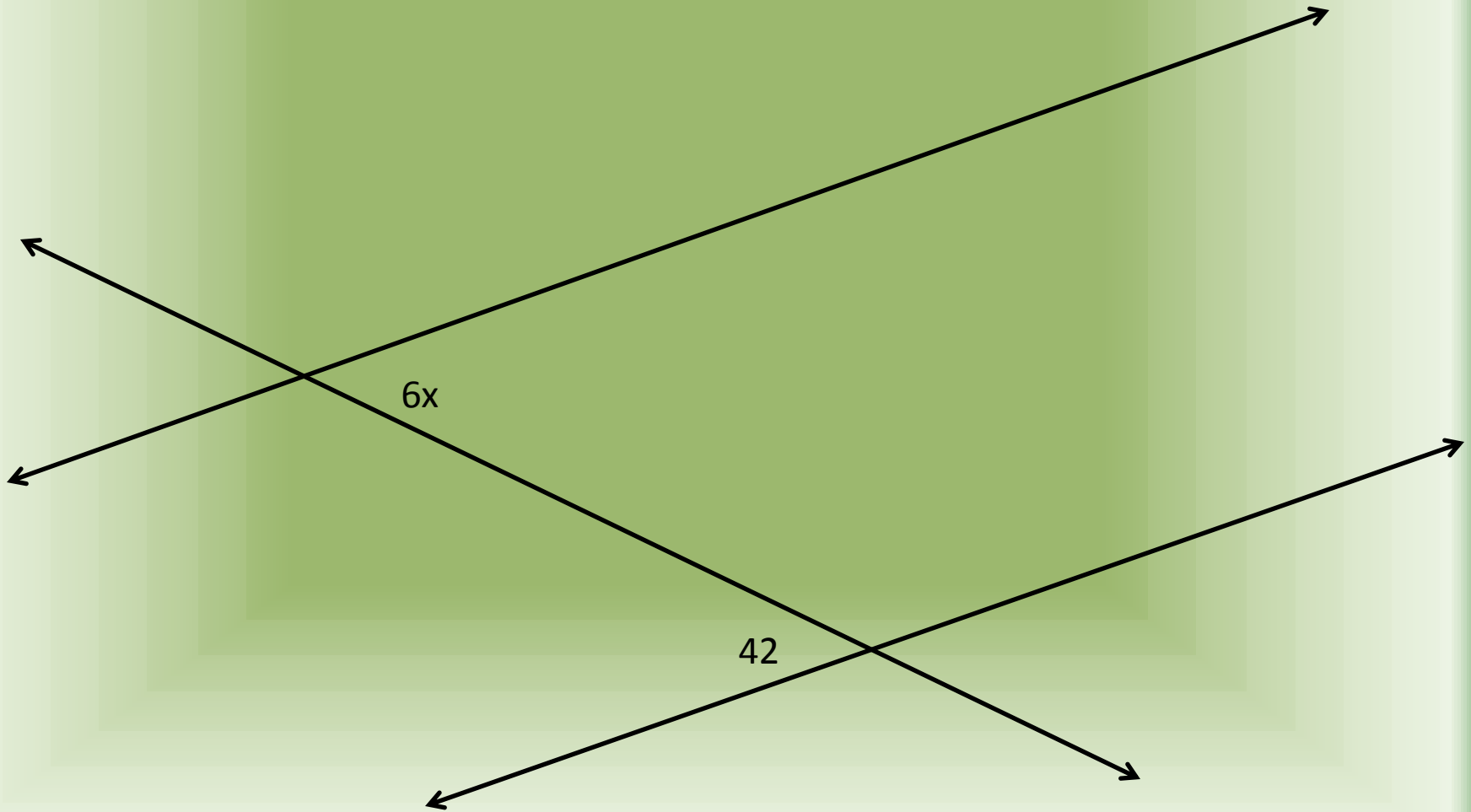
Find the value of x and y .



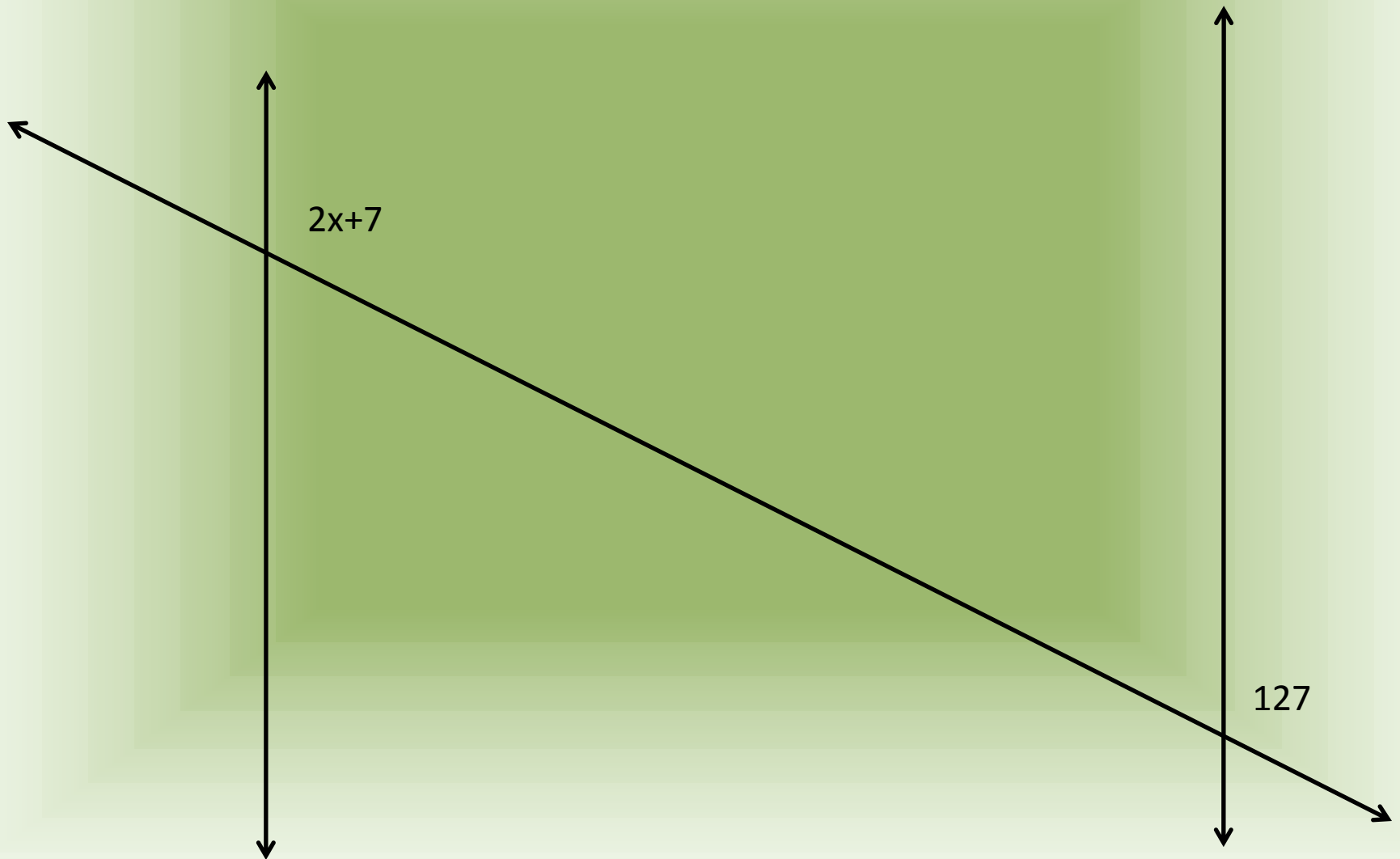
Find the value of x .



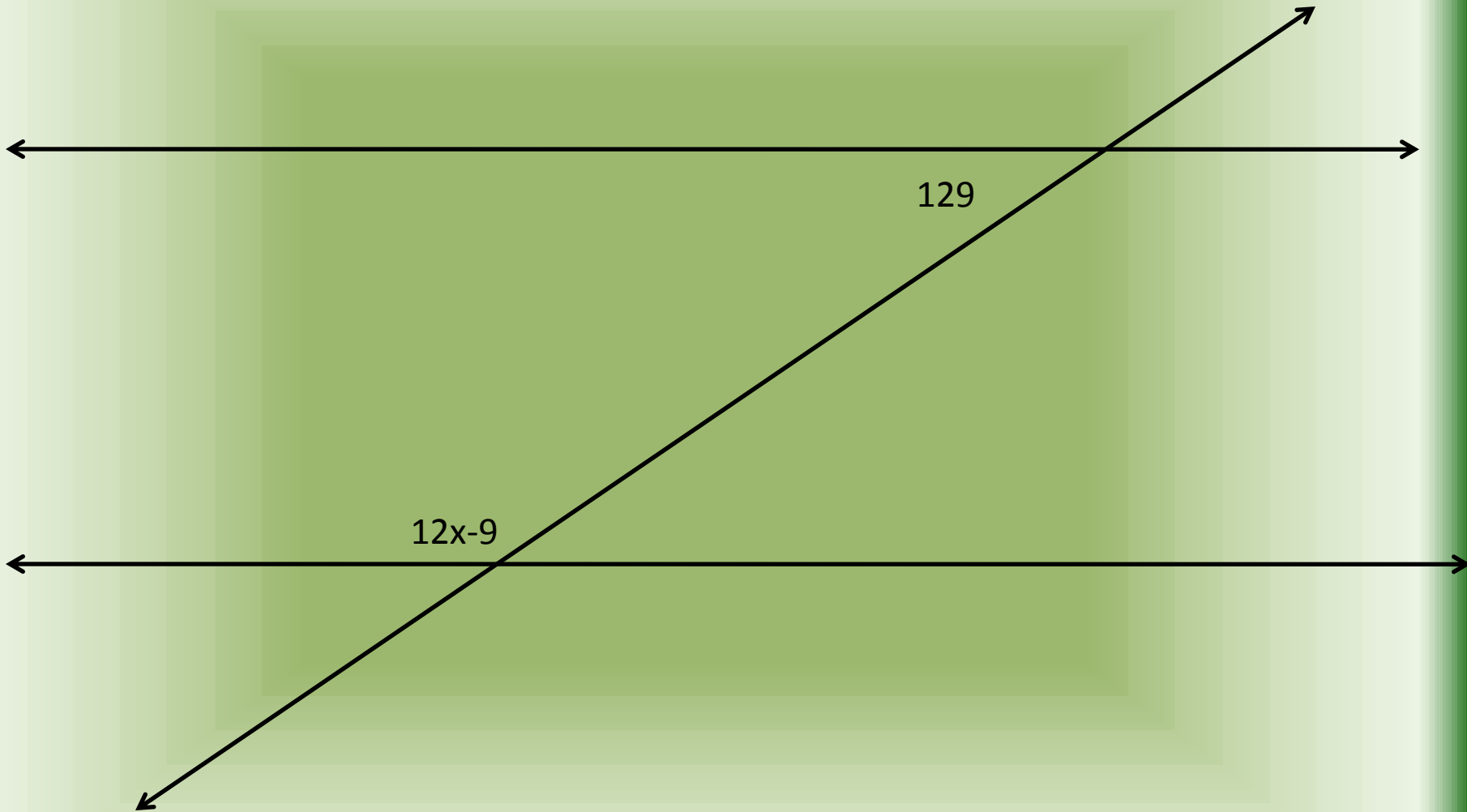
Find the value of x .



Find the value of x .



Find the value of x .



Find the measure of angles 1-9.

