Mathematics

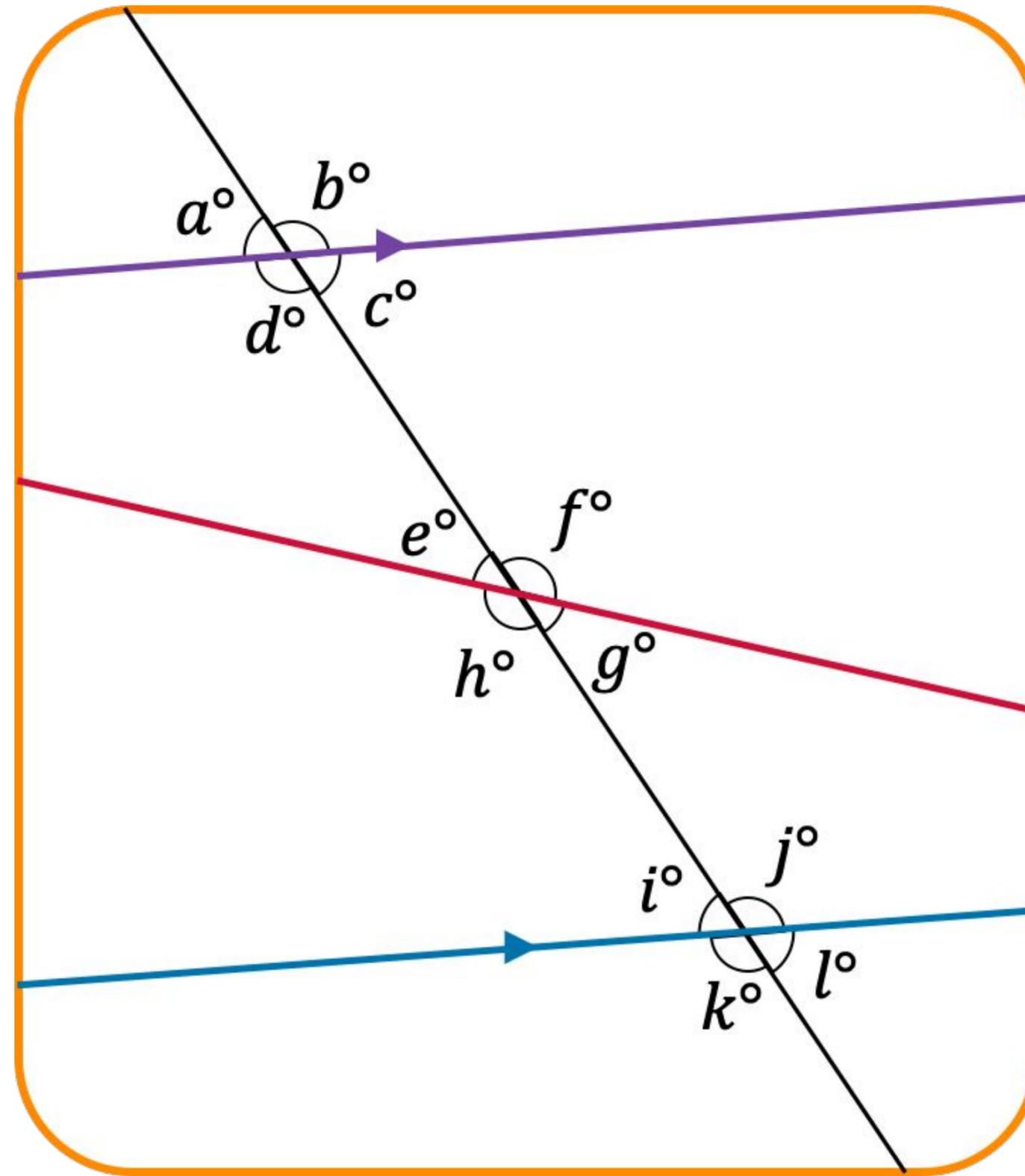# Angles Downloadable Resource – Alternate angles.

Mr. Thomas

Try this

Measure each of the marked angles.

Which of them are equal?

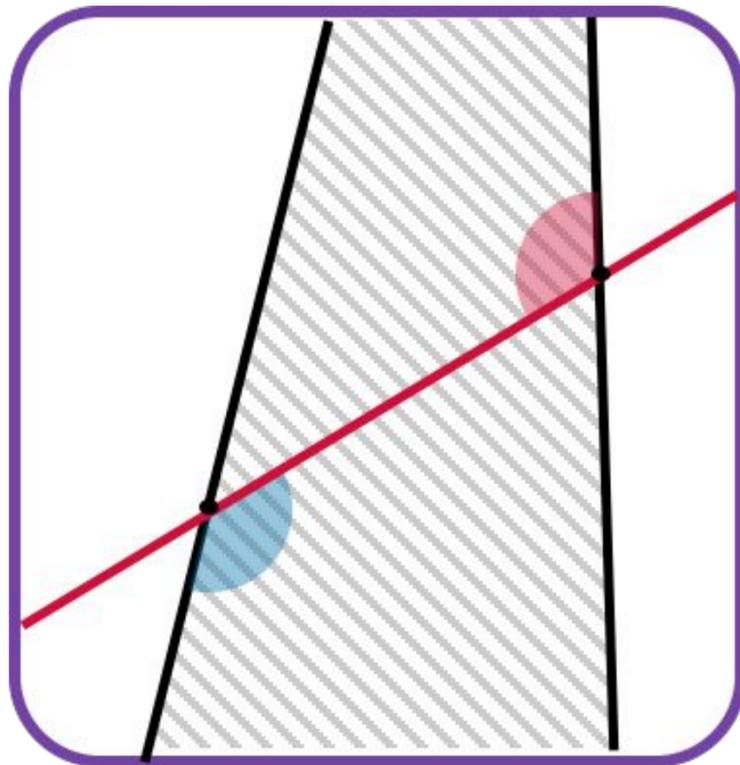Identify the pairs of vertically opposite angles.

Connect

A pair of angles at different intersection points with a transversal are called **alternate** if they...

A lie on different sides of a transversal.
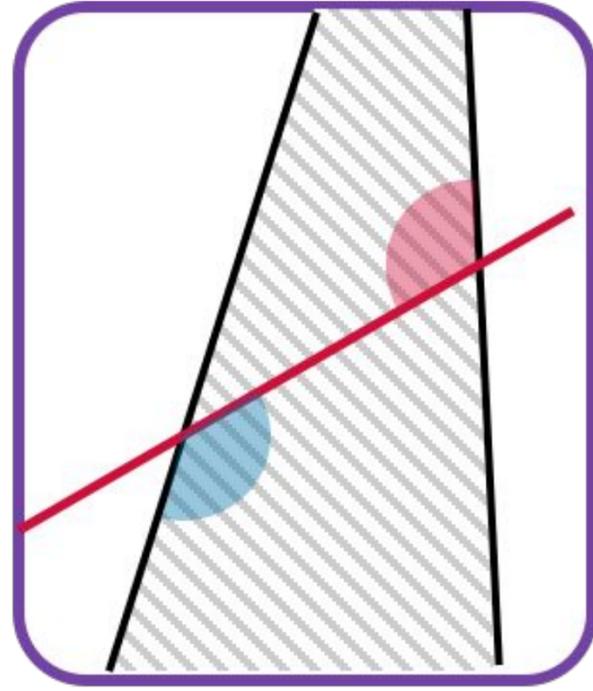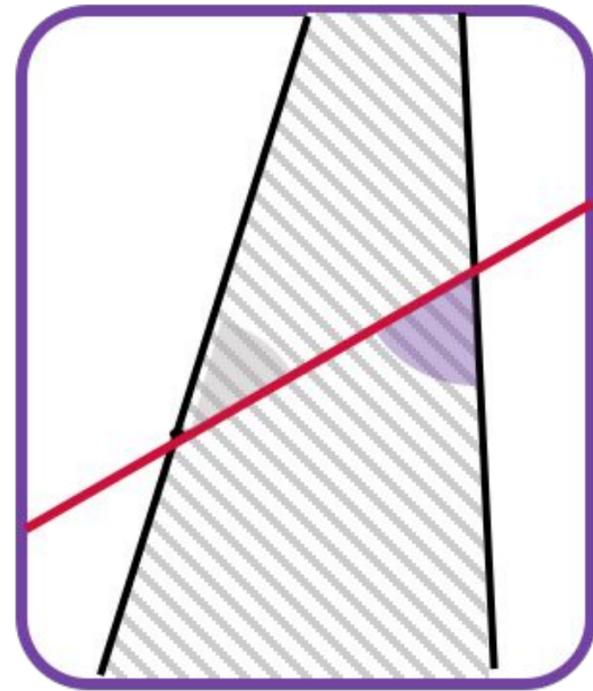
B are in the same 'region'.
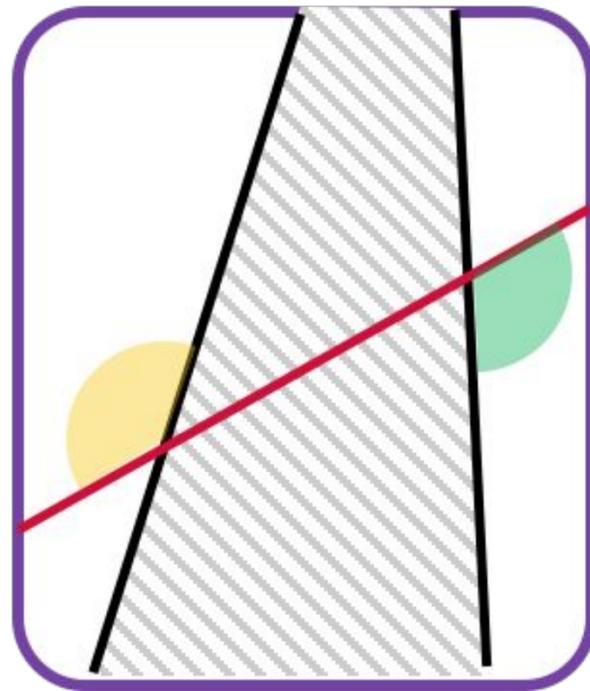
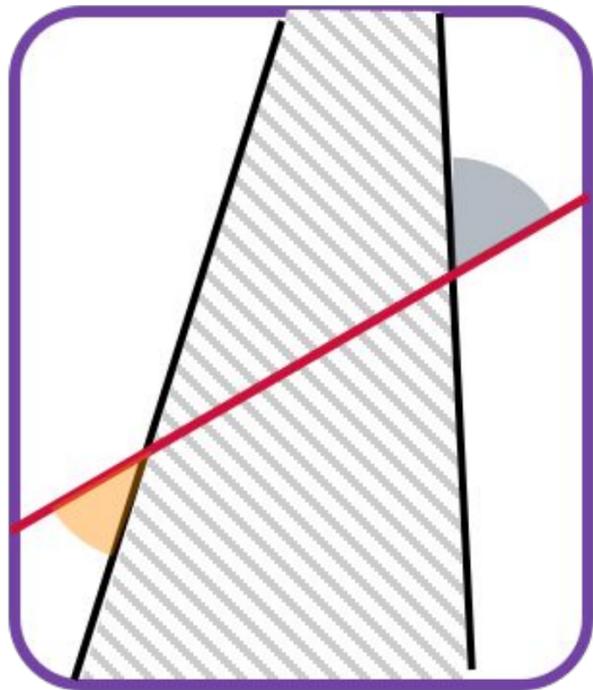Both angles are in the interior region.

Lets now identify **all** the other pairs of angles that meet this criteria...

Connect
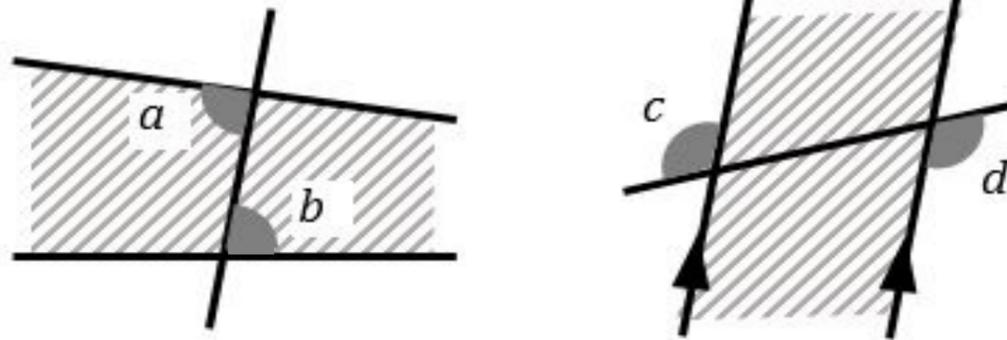

Alternate **interior** angles.

Alternate **exterior** angles.

Independent Task

Fill in the blanks for the following exercise. You may want to go back in the video for some help.

Concept Corner

Angles ___ and ___ are alternate interior angles.
Angles ___ and ___ are alternate exterior angles.
Angles ___ and ___ are equal in size.

a	c	equal
b	d	same
c		opposite
d		alternate

Angles formed by a transversal that are in the _____ region, but are on _____ sides of the transversal are called _____ angles.

Alternate angles formed in **parallel** lines are _____ in size.

For each diagram, identify any pairs of **alternate angles**. Calculate the missing values.