

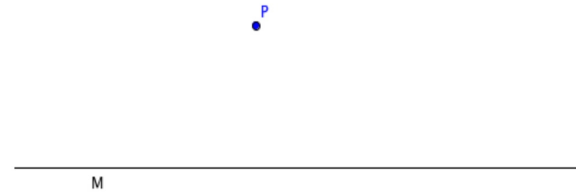
MDI:

Solve for x

$$3x+25=-x+125$$

Launch!

How many lines through point P can you make that are parallel to line M? Why?

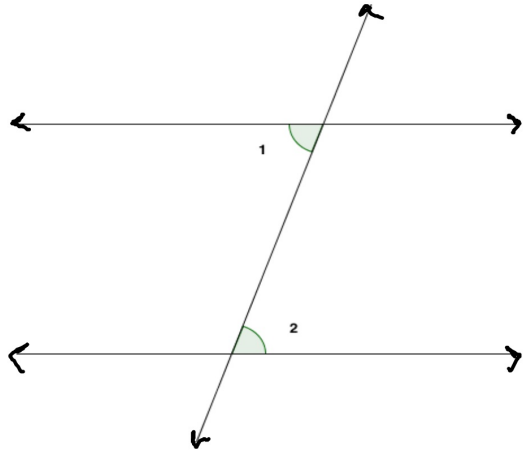


2.8 The Parallel Postulate

Objective: Students will understand the parallel postulate and be able to tell if two lines are parallel by the AIP theorem

How do we know that two lines are parallel?

What type of angles are 1 and 2 called?



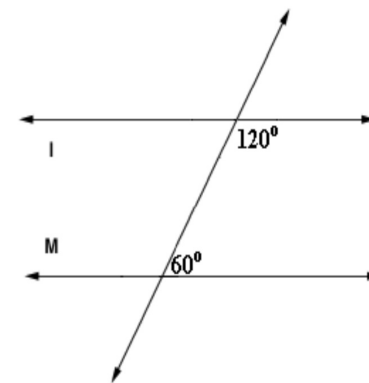
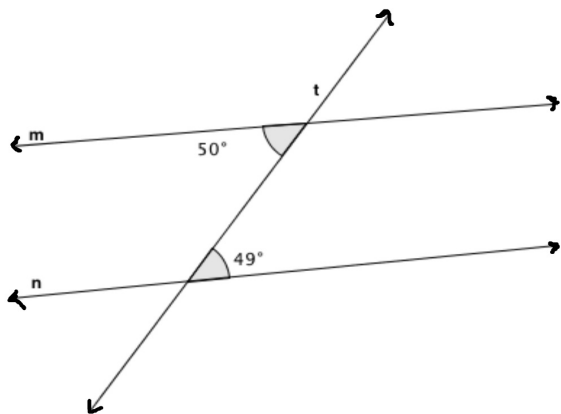
Euclid's Parallel Postulate

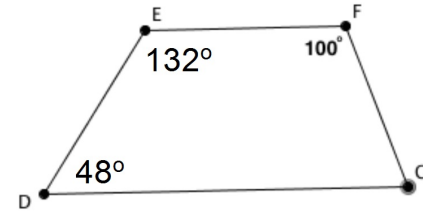
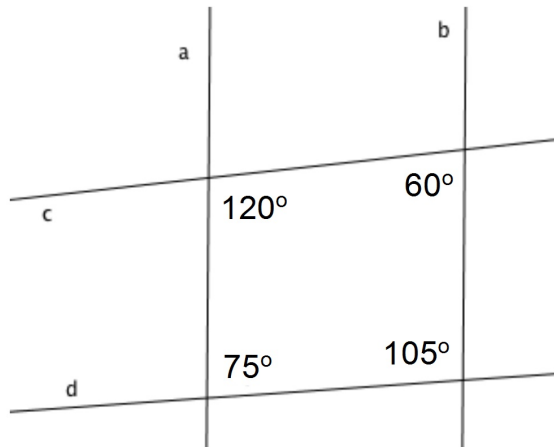
If a point P is not on a line l , exactly one line through P exists that is parallel to l .

The Alternate Interior Angle Theorem

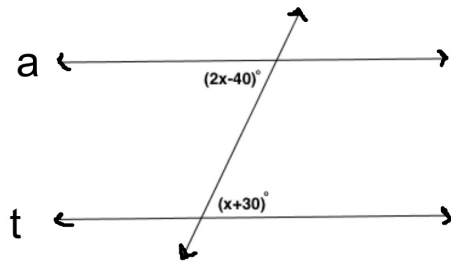
If two lines form congruent alternate interior angles with a transversal, then the two lines are parallel

Which of the following lines or segments are Parallel? Why? Please explain your reasoning.



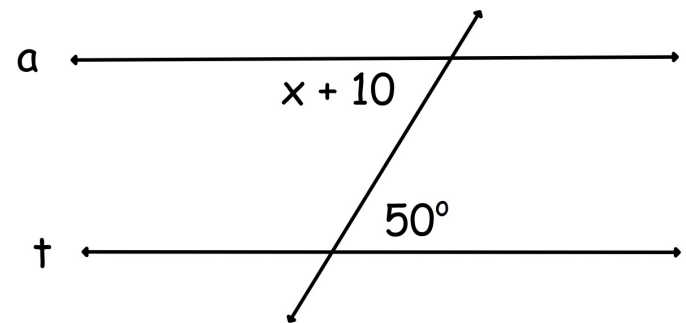


Find the Value of x for which $a \parallel t$



Exit Ticket

find the value of x for which $a \parallel t$



Homework: 2,4,7-10