

NOTES 3.1 & 3.2 – PARALLEL LINES & TRANSVERSALS

Objective: _____

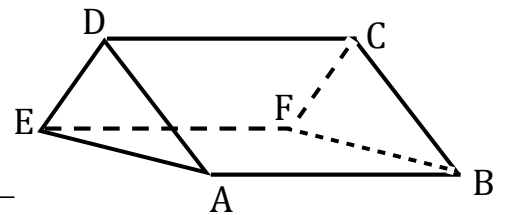
CONCEPT	DESCRIPTION	DIAGRAM
Parallel Lines		
Parallel Planes		

Use the figure below to answer the questions that follow.

(a) What lines are parallel to \overleftrightarrow{AB} ? _____

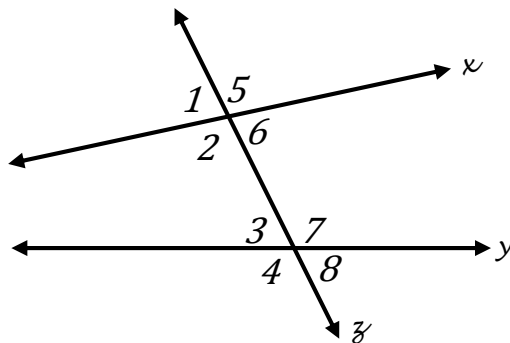
(b) What are the other sets of parallel lines? _____

(c) Name a pair of parallel planes: _____



CONCEPT	DESCRIPTION	DIAGRAM
Transversal		

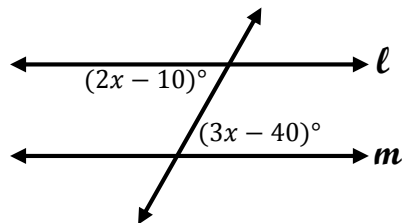
When two lines are cut by a transversal, several types of angle pairs are formed.



CONCEPT	DESCRIPTION	EXAMPLES
Alternate Interior Angles		
Alternate Exterior Angles		
Same-Side Interior Angles		
Same-Side Exterior Angles		
Corresponding Angles		

For each of the examples below, identify the type of angle pair, and given that lines l and m are parallel, find the value of 'x'.

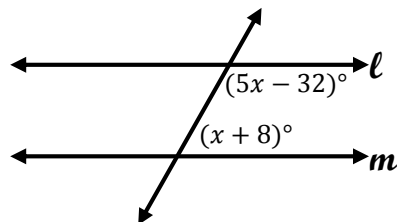
EXAMPLE 1:



Type of angle pair: _____

$x =$ _____

EXAMPLE 2:



Type of angle pair: _____

$x =$ _____