

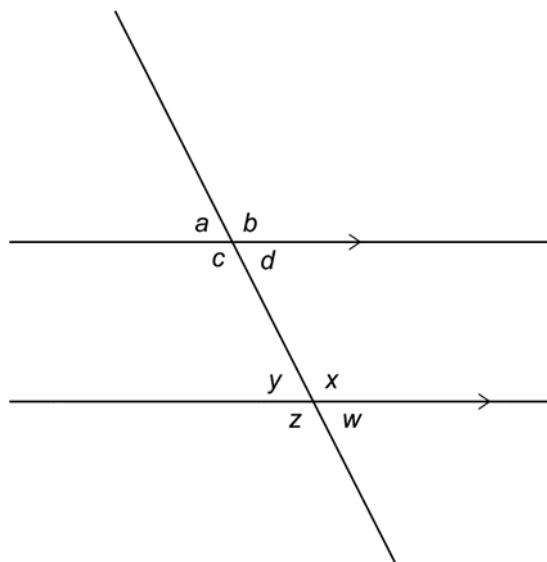
Unit 2 - Lesson 5

Angles within Parallel Lines – Day 2

Get ready

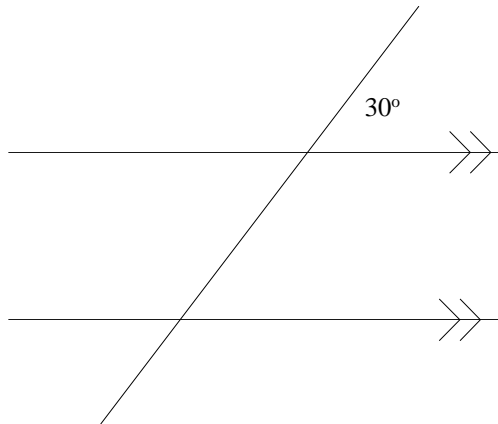
1. Use the following diagram to record **all** examples of the following

- a. Opposite angles: _____
- b. Corresponding angles: _____
- c. Alternate angles: _____
- d. Interior angles: _____
- e. Supplementary angles: _____



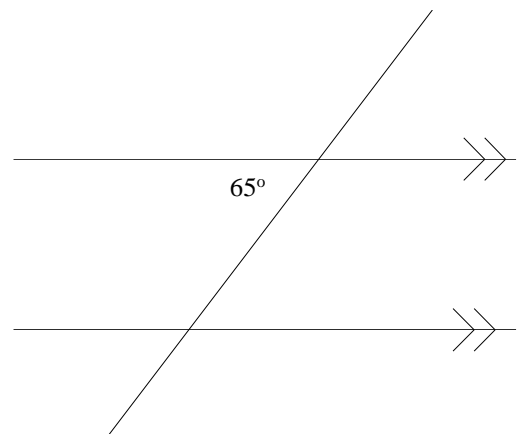
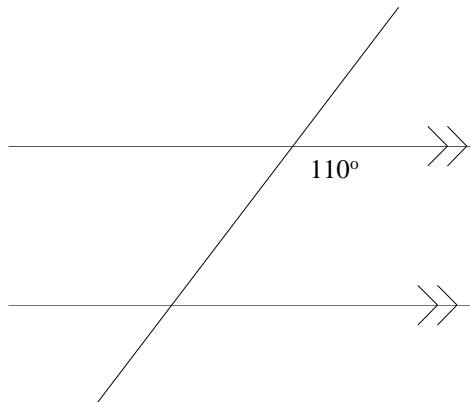
Find the other angle measure

1. **OPPOSITE ANGLES (X - Pattern)**



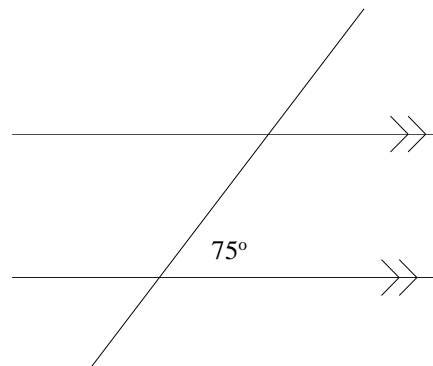
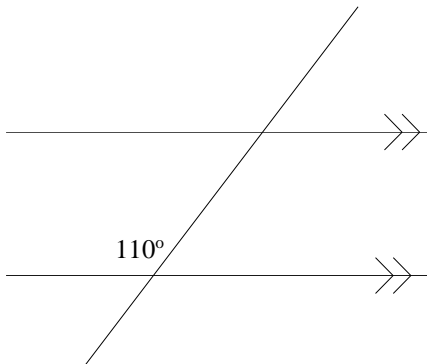
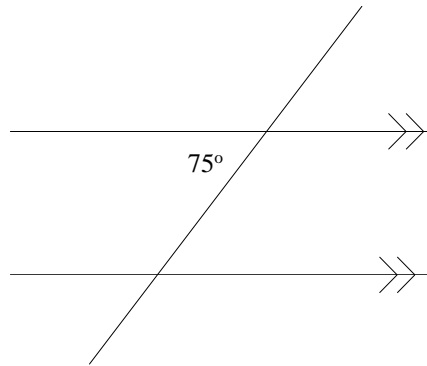
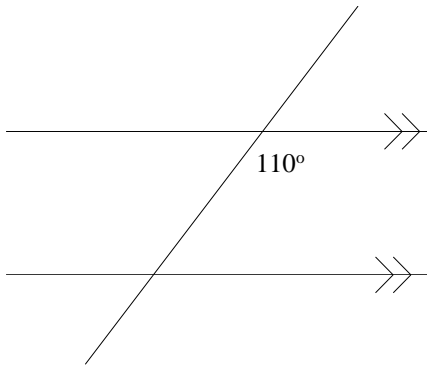
OPPOSITE angles are always EQUAL

2. **ALTERNATE ANGLES (Z - Pattern)**



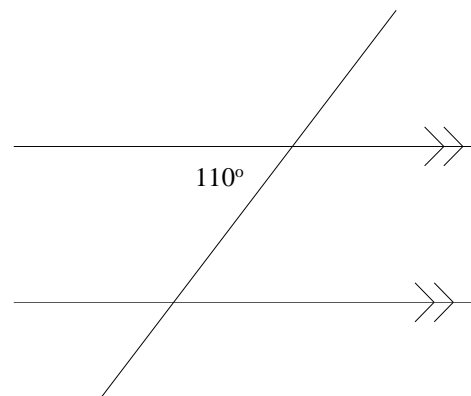
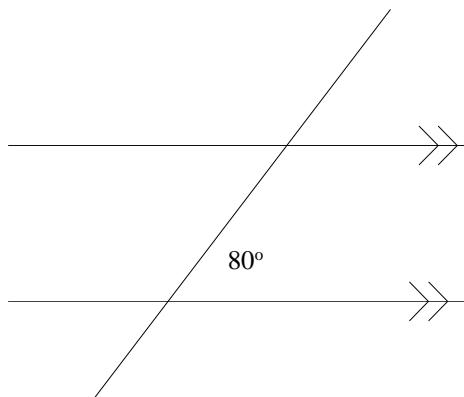
ALTERNATE angles are always EQUAL

3. **CORRESPONDING ANGLES (F - Pattern)**



CORRESPONDING angles are always EQUAL

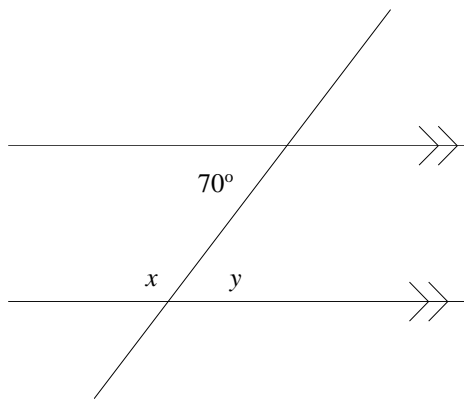
4. **INTERIOR ANGLES (C - Pattern)**



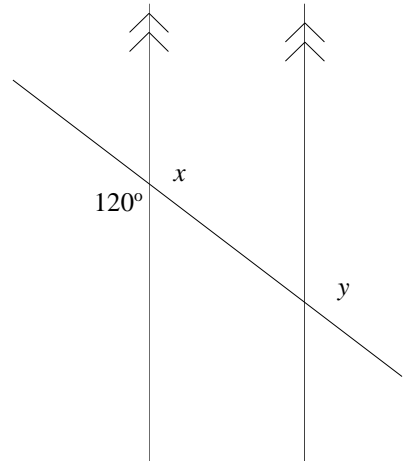
The SUM of INTERIOR angles is always 180°

Examples : Find the measures of the indicated angles.

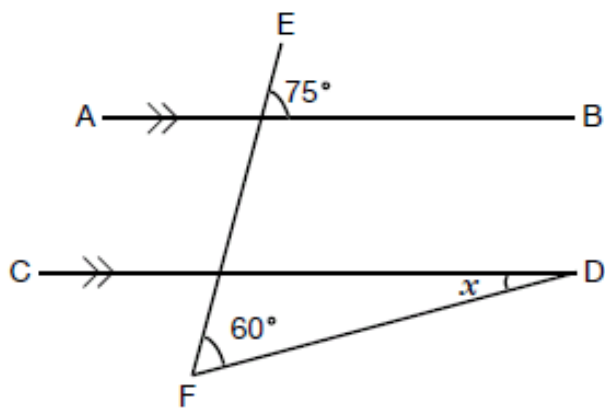
a)



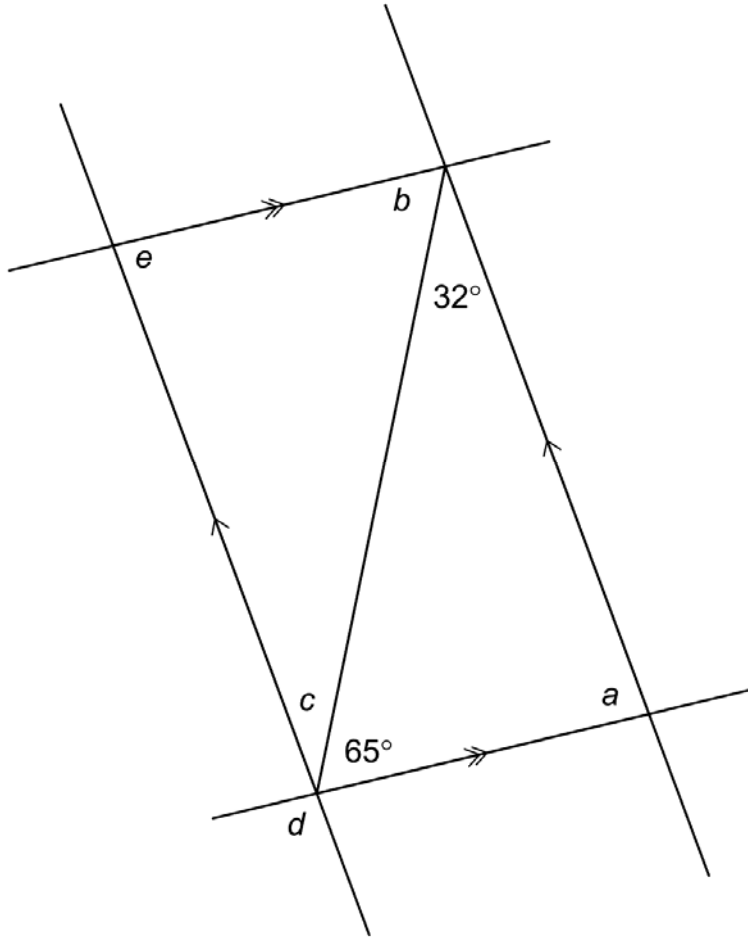
b)



c)



d)

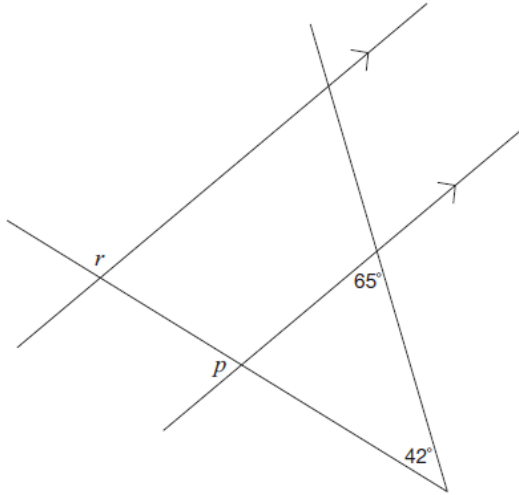


Value	Justification
a = _____	
b = _____	
c = _____	
d = _____	
e = _____	

Unit 2 – Lesson 5 Day 2 Worksheet

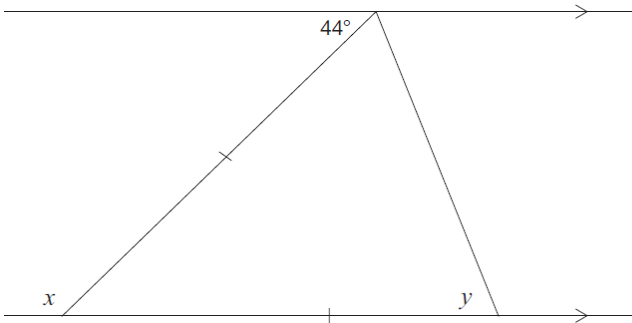
Consider each diagram and then complete the chart that follows.

a)



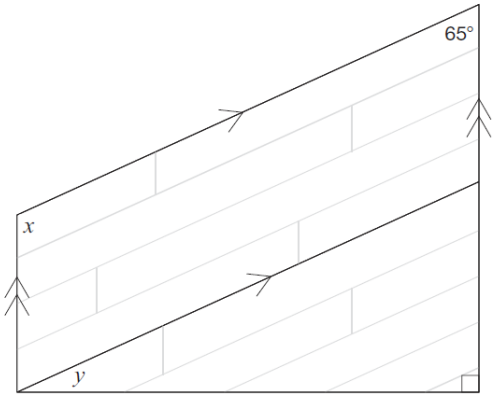
Value	Justification using geometric properties
$p =$ _____	
$r =$ _____	

b)



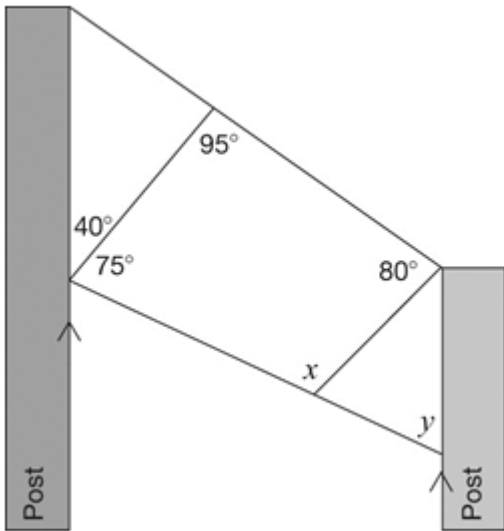
Value	Justification using geometric properties
$x =$ _____	
$y =$ _____	

c)



Value	Justification using geometric properties
$x = \underline{\hspace{2cm}}$	
$y = \underline{\hspace{2cm}}$	

d)



Value	Justification using geometric properties
$x = \underline{\hspace{2cm}}$	
$y = \underline{\hspace{2cm}}$	