




## HOMEWORK...

- 1)  Worksheet - Angle Properties.pdf  
 Worksheet Solutions - Angle Properties.pdf
  
- 2)  Worksheet - Angle Properties with Justifications.pdf

Assignment - Angle Properties.pdf

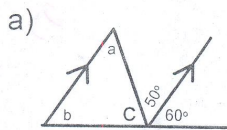
# Solutions...

Section 7 In class Assignment.notebook

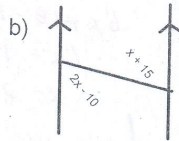
Chapter 7  
In class Assignment

Name: Key

1) For each unknown angle, identify the measurement of the angle AND the property you used to solve it:

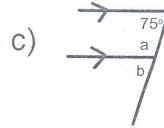


Answers:  
c = 70° (SAT)  
a = 50° (AIA)  
b = 60° (SATT)

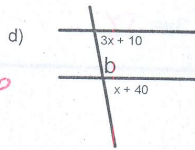


Answers:  
(AIA)  
x = 25  
2x - 10 = 40°  
x + 15 = 40°

$2x - 10 = x + 15$   
 $x = 25$

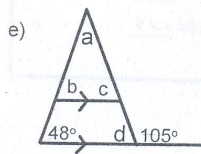


Answers:  
a = 105° (CIA)  
b = 75° (CA)

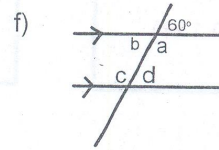


$3x + 10 = x + 40$   
 $2x = 30$   
 $x = 15$

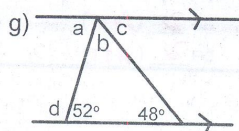
Answers: (CA)  
x = 15  
3x + 10 = 55°  
x + 40 = 55°  
b = 125° (CIA)



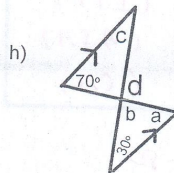
Answers:  
d = 75° (SAT)  
c = 75° (CA)  
b = 48° (CA)  
a = 57° (SATT)



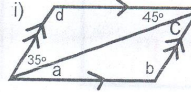
Answers:  
a = 120° (SAT)  
b = 60° (OAT)  
c = 120° (AIA)  
d = 60° (CA)



Answers:  
a = 52° (AIA)  
b = 80° (SATT)  
c = 48° (AIA)  
d = 128° (SAT)

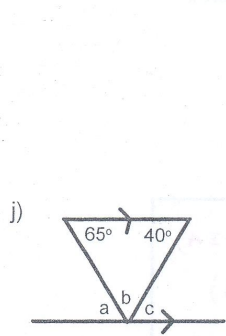


Answers:  
a = 70° (AIA)  
b = 80° (SATT)  
c = 30° (AIA)  
d = 100° (SAT)

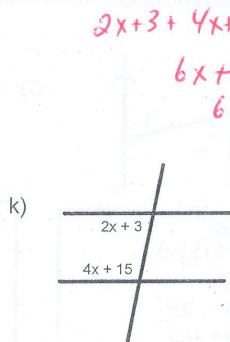


Answers:  
a = 45° (AIA)  
b = 100° (SATT)  
c = 35° (AIA)  
d = 100° (SATT)

Section 7 In class Assignment.notebook

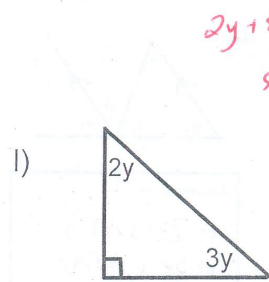


Answers:  
 $a = 65^\circ$  (AIA)  
 $b = 75^\circ$  (SATT)  
 $c = 40^\circ$  (AFA)



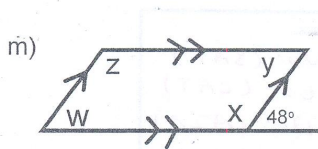
Answers: (CIA)  
 $x = 27$   
 $2x + 3 = 57$   
 $4x + 15 = 123$

$2x + 3 + 4x + 15 = 180$   
 $6x + 18 = 180$   
 $6x = 162$   
 $x = 27$

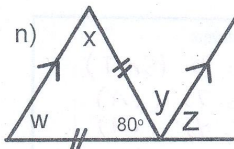


Answers: (CAT)  
 $y = 18$   
 $2y = 36$   
 $3y = 54$

$2y + 3y = 90$   
 $5y = 90$   
 $y = 18$

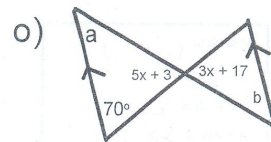


Answers:  
 $x = 132^\circ$  (SAT)  
 $y = 48^\circ$  (CIA)  
 $w = 48^\circ$  (CA)  
 $z = 132^\circ$  (CIA)



Answers:  
 $w = 50^\circ$  (ITT)  
 $x = 80^\circ$  (ITT)  
 $y = 50^\circ$  (AFA)  
 $z = 50^\circ$  (CA)

$\frac{180 - 80}{2}$



Answers:  
 $x = 7$  (OAT)  
 $5x + 3 = 38$   
 $3x + 17 = 38$   
 $a = 22^\circ$  (SATT)  
 $b = 22^\circ$  (SATT)

$5x + 3 = 3x + 17$   
 $2x = 14$   
 $x = 7$

## Attachments

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