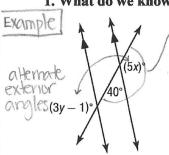
## LT 1.2 Skills Practice #1: Algebra

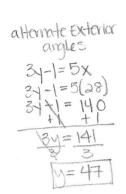
## **Angles and Parallel Lines**

Find the value of the variable(s) in each figure. Explain your reasoning (Justification).

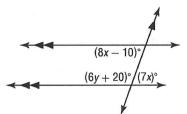
1. What do we know from the picture?







## 2. What do we know from the picture?

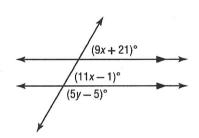


Statement	.Justification
0.8x-10=7x -7x +0 -7x +10	D Alternate Interior & Post.
X = 10	1
@(8x-10)+(6y+20)=180 (8(10)-10)+6y+20=180	2) Def. of supp. 45 substitution
70+log+20=180 90+log=180	
y= 15	

## Justification Statement

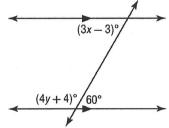
- 31-1=5X

- 16, 34=141
- 9 4= 47
- 3 Division by 5
- DAHernate Exterior 4 Theorem \*
- 5) substitution
- (6) Addition
- 9) Division
- 3. What do we know from the picture?



Statement	Justification
09x+21=11x-1	D Corresponding
21=2x-1 22=2x	,
III=XI	
@ (1x-1)+(5y-5)=180	
11x+54-6=180	11
11(11)+54=186	
12/+5y=186 LT 1.2 -121	
54=15	

4. What do we know from the picture?



Statement	Justification
O(3x-3) = 60 3x=63	1) Alternate Interior 45
X=21	4
@(3x-3)+(4++4)=180	Deansecutive interm
3x+4++=180	cont. My
3(21)+4-1=179	
63+41=179	
· 4=116	Geometry Basics