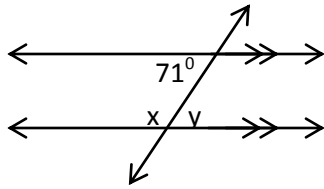


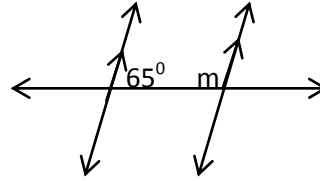
1. Find the missing measure of each identified angle.

a).



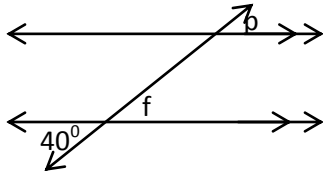
$x = 109$ $y = 71$

b).



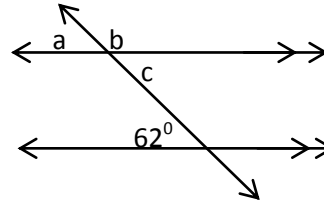
$m = 115$

c).



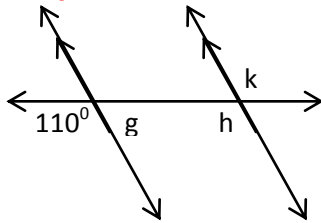
$f = 40$ $p = 40$

d).



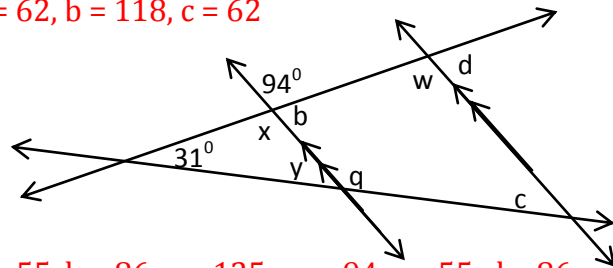
$a = 62$, $b = 118$, $c = 62$

e).



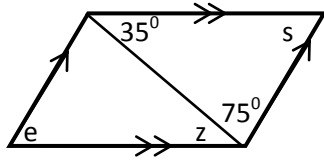
$g = 70$, $h = 110$, $k = 110$

f).



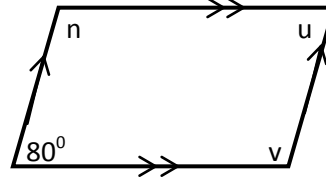
$x = 94$, $y = 55$, $b = 86$, $q = 125$, $w = 94$, $c = 55$, $d = 86$

g).



$e = 70$, $z = 35$, $s = 70$

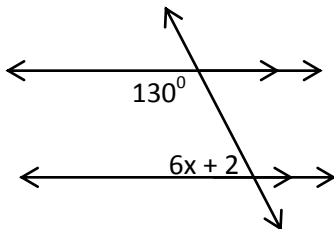
h).



$n = 100$, $u = 80$, $v = 100$

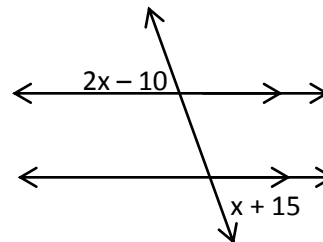
CHALLENGE

i). What is the value of x?



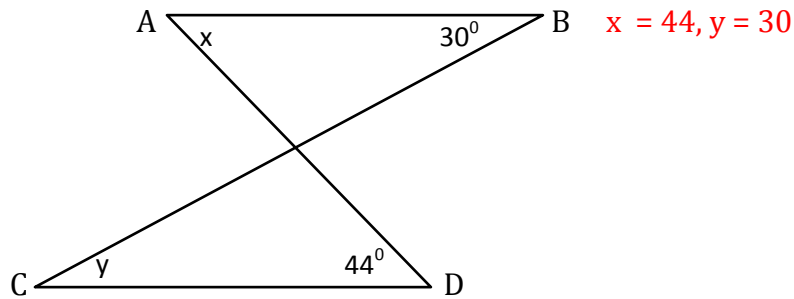
$x = 8$

j). What is the value of the missing angle?



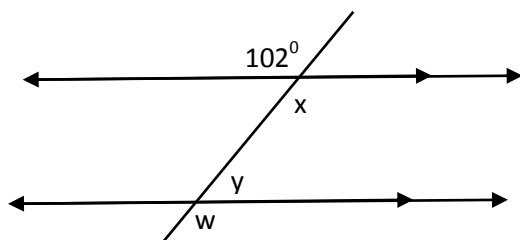
$x = 25$, $2x - 10 = 40$, $x + 15 = 40$

2. What are the values of x and y in the diagram below to ensure $\overline{AB} \parallel \overline{CD}$? How do you know?

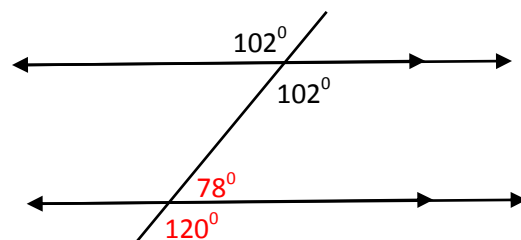


3. A question on a test was **Find the missing angle measures**. One student in the class had the following answer. Identify and correct any errors.

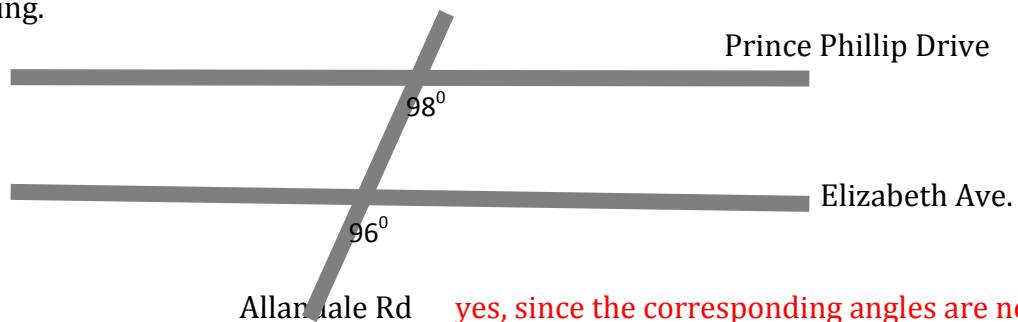
Test Question



Student's Answer



4. Suppose Prince Phillip Drive and Elizabeth Avenue follow a straight line path and intersect Allandale Road at angles of 98° and 96° as shown in the map below. If the streets were to continue in a straight line, would their paths ever cross? Explain your reasoning.



Allandale Rd yes, since the corresponding angles are not equal the lines are not parallel.