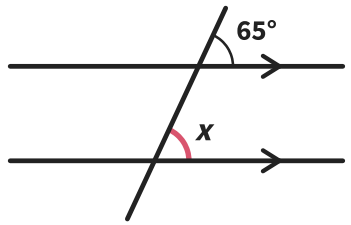
Angles on parallel lines

1

Find the size of angle x. Give a reason.

Not drawn accurately.



x = ☐°

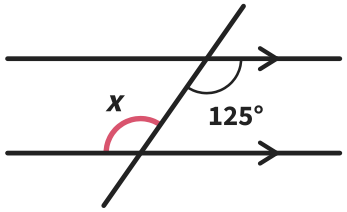
☐ angles are equal

corresponding | alternate | co-interior | vertically opposite | straight line

2

Find the size of angle x. Give a reason.

Not drawn accurately.



x = ☐°

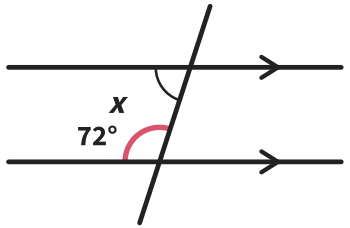
☐ angles are equal

corresponding | alternate | co-interior | vertically opposite | straight line

3

Find the size of angle x. Give a reason.

Not drawn accurately.



x = 180 − ☐ = ☐°

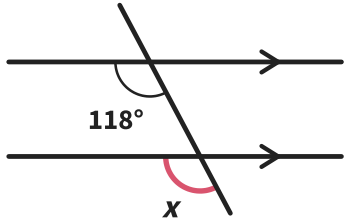
☐ angles add up to 180°

corresponding | alternate | co-interior | vertically opposite | straight line

4

Find the size of angle x. Give a reason.

Not drawn accurately.



x = ☐°

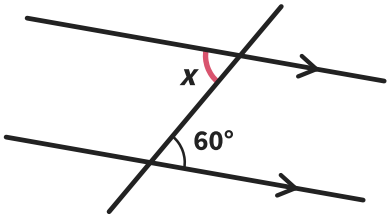
Reason

corresponding | alternate | co-interior | vertically opposite | straight line

5

Find the size of angle x. Give a reason.

Not drawn accurately.



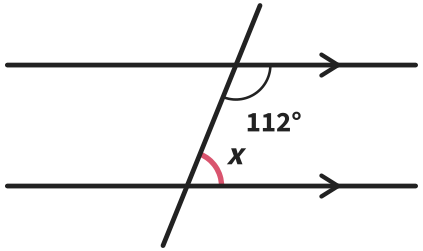
x = _____

Reason

_____

6

Mia says $x = 112°$ because co-interior angles are equal. Explain her mistake. Find x.



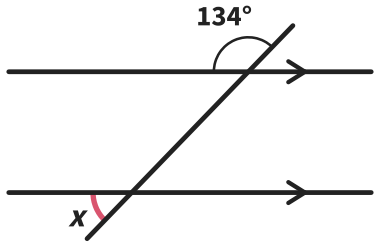
_____

_____

x = _____

7

Find the size of angle x. Give a reason for each step. Not drawn accurately.



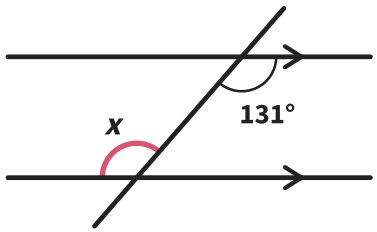
_____

_____

x = _____

8

Two parallel shelves are joined by a straight strut. Find x. Give a reason.



x = _____

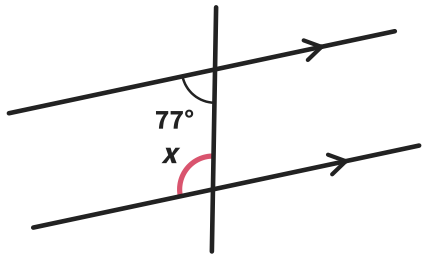
Reason

_____

Angles on parallel lines *further practice*

9

Find the size of angle x. Give a reason.
Not drawn accurately.



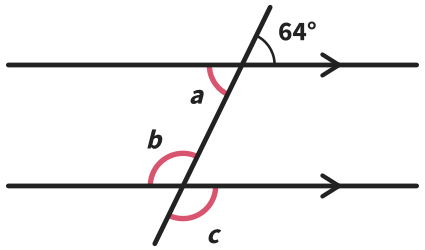
$x =$ _____

Reason

_____

10

Find the sizes of angles a, b and c. Give a reason for each.
Not drawn accurately.



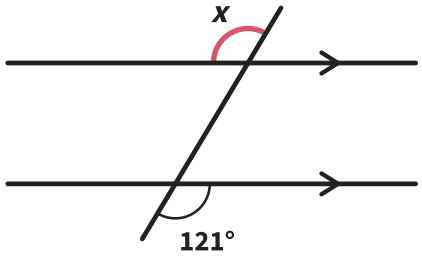
_____

_____

_____

11

Find the size of angle x. Give a reason for each step. Not drawn accurately.



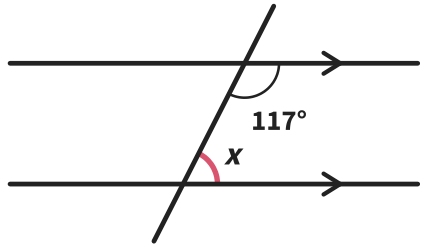
_____

_____

$x =$ _____

12

A footbridge has two parallel railings and a straight diagonal bar. Find x. Give a reason.



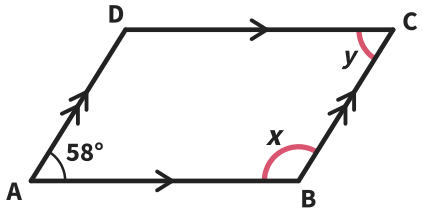
$x =$ _____

Reason

_____

13

ABCD is a parallelogram. Find angles x and y. Give your reasons.
Not drawn accurately.

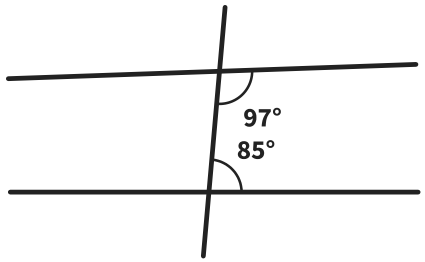


_____

_____

14

Are these two lines parallel? Explain how you know. Not drawn accurately.



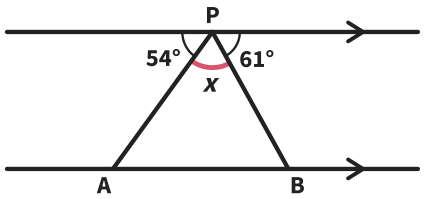
_____

_____

Answer _____

15

P is on one line. A and B are on the other. The lines are parallel. Find x.
Not drawn accurately.



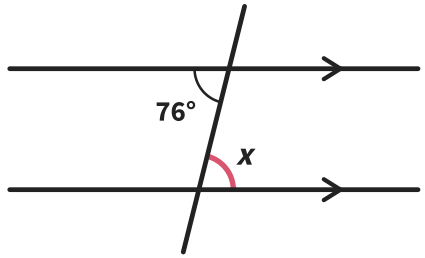
_____

_____

$x =$ _____

16

Jay finds x and writes the reason "Z angles". Find x, and write the reason the way an examiner wants.



$x =$ _____

Reason

_____