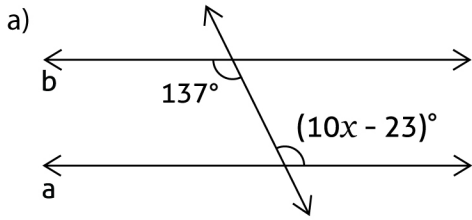


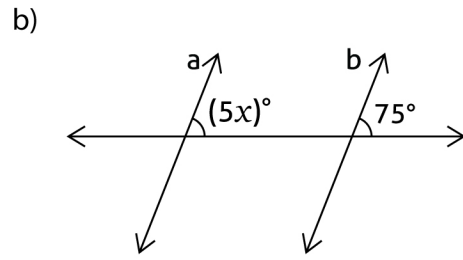
# Parallel Lines: Algebraic Proof

State the converse theorem used and find the value of  $x$  so that  $a \parallel b$ .



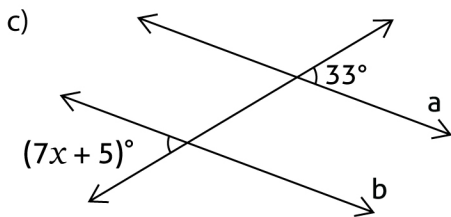
Converse:

\_\_\_\_\_,  $x =$  \_\_\_\_\_



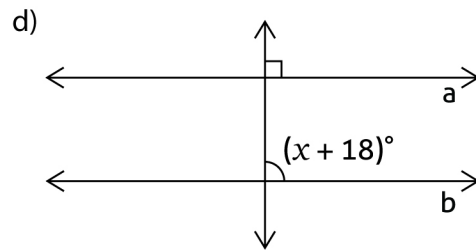
Converse:

\_\_\_\_\_,  $x =$  \_\_\_\_\_



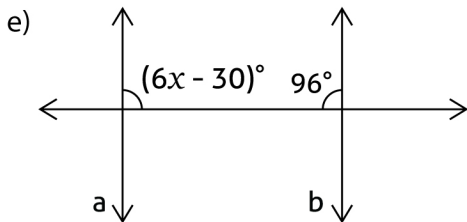
Converse:

\_\_\_\_\_,  $x =$  \_\_\_\_\_



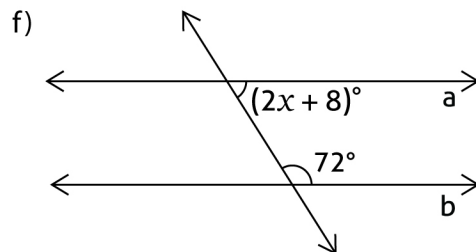
Converse:

\_\_\_\_\_,  $x =$  \_\_\_\_\_



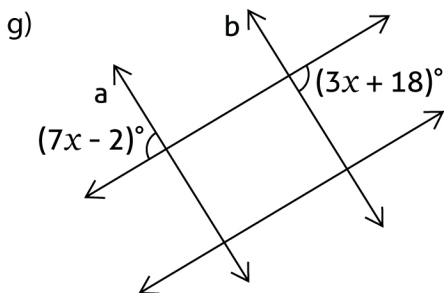
Converse:

\_\_\_\_\_,  $x =$  \_\_\_\_\_



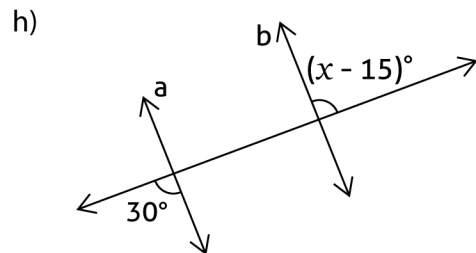
Converse:

\_\_\_\_\_,  $x =$  \_\_\_\_\_



Converse:

\_\_\_\_\_,  $x =$  \_\_\_\_\_

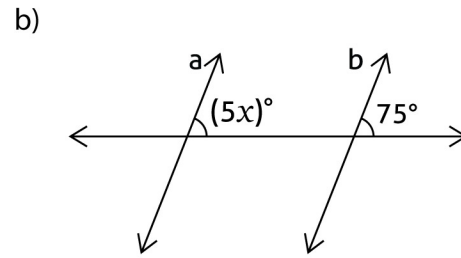
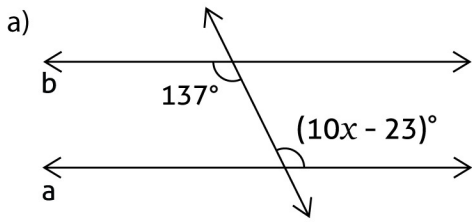


Converse:

\_\_\_\_\_,  $x =$  \_\_\_\_\_

# Parallel Lines: Algebraic Proof

## Answers

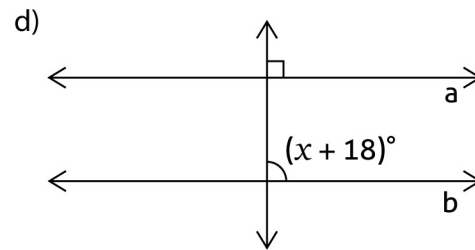
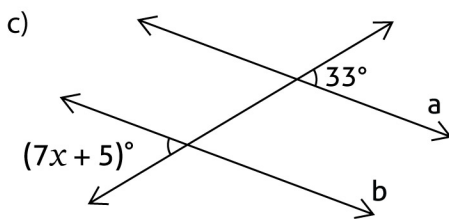


Converse:

Alternate interior angles ,  $x =$  16

Converse:

Corresponding angles ,  $x =$  15

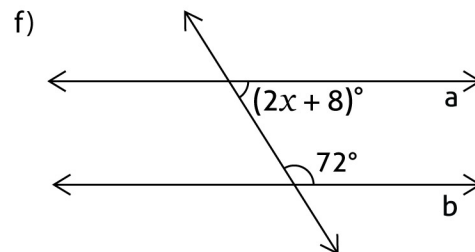
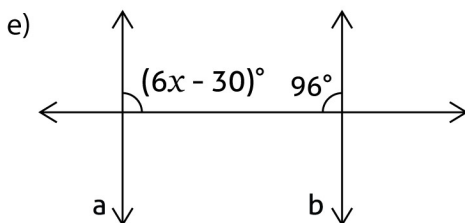


Converse:

Alternate exterior angles ,  $x =$  4

Converse:

Corresponding angles ,  $x =$  72

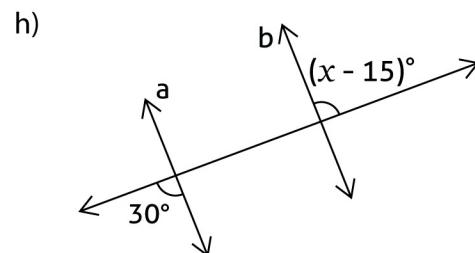
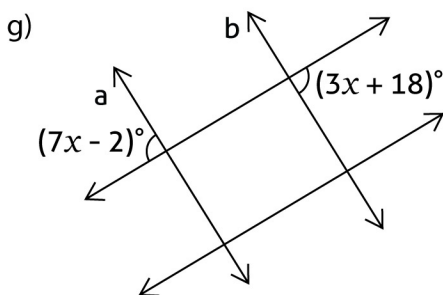


Converse:

Consecutive interior angles ,  $x =$  19

Converse:

Consecutive interior angles ,  $x =$  50



Converse:

Alternate exterior angles ,  $x =$  5

Converse:

Alternate exterior angles ,  $x =$  45