

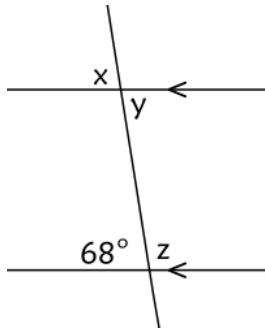


Printable Assessments CAMI Maths: Grade 9

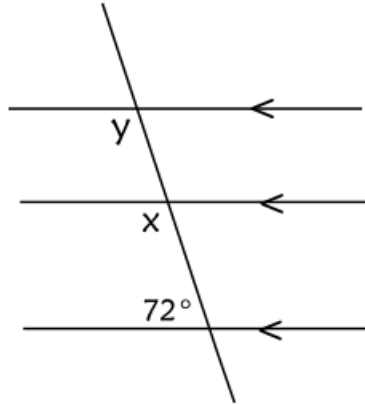
Parallel lines cut by a transversal

1. Calculate the required angles.

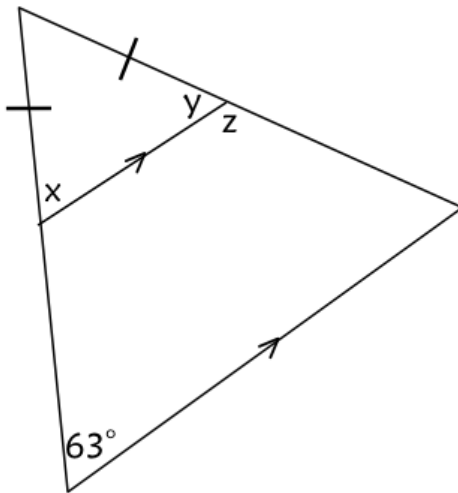
1.1



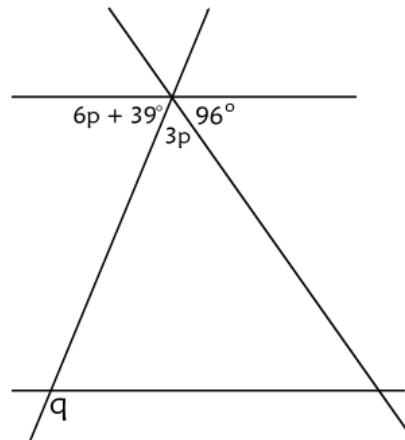
1.2



1.3



1.4





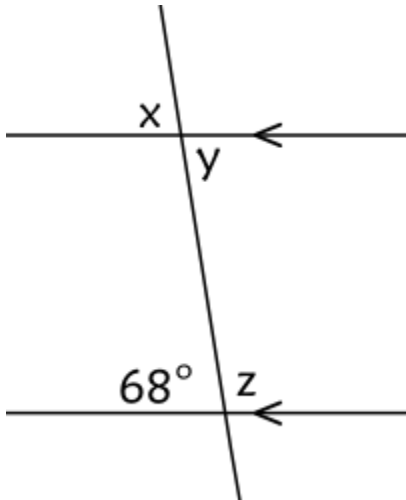
Printable Assessments CAMI Maths: Grade 9

MEMO

1. Calculate the required angles.

[8.2.5.1; 8.2.5.2]

1.1

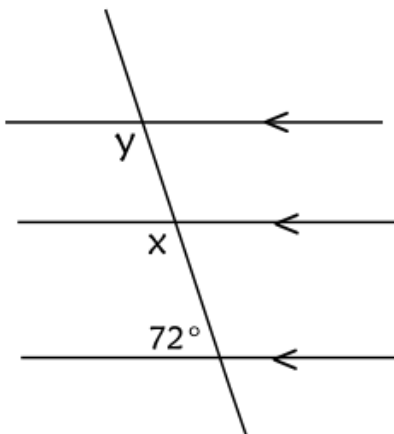


$$x = 68^\circ \text{ (corresponding } \angle\text{'s)}$$

$$x = y \text{ (vert. opp } \angle\text{'s)}$$
$$y = 68^\circ$$

$$y + z = 180^\circ \text{ (co-interior } \angle\text{'s)}$$
$$z = 180^\circ - 68^\circ$$
$$z = 112^\circ$$

1.2



$$x + 72^\circ = 180^\circ \text{ (co-interior } \angle\text{'s)}$$
$$x = 180^\circ - 72^\circ$$
$$x = 108^\circ$$

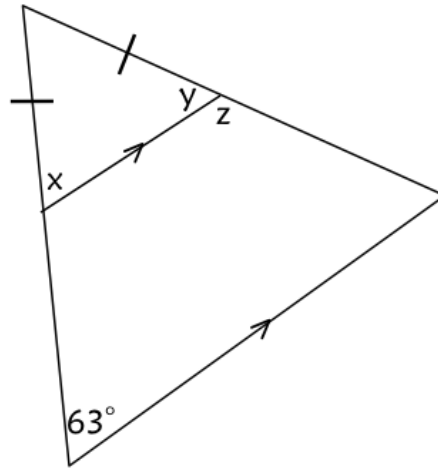
$$y = x \text{ (corresponding } \angle\text{'s)}$$
$$y = 108^\circ$$



Printable Assessments CAMI Maths: Grade 9



1.3



$$x = 63^\circ \text{ (corresponding } \angle\text{'s)}$$

$$y = x \text{ (isosceles triangle)}$$

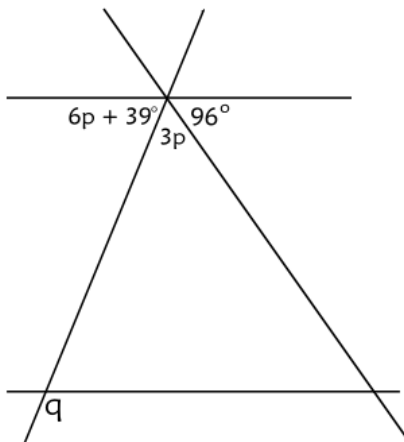
$$y = 63^\circ$$

$$z + y = 180^\circ \text{ (suppl. } \angle\text{'s)}$$

$$z = 180^\circ - 63^\circ$$

$$z = 117^\circ$$

1.4



$$6p + 39^\circ + 3p + 96^\circ = 180^\circ \text{ (suppl. } \angle\text{'s)}$$

$$9p = 180^\circ - 39^\circ - 96^\circ$$

$$9p = 45^\circ$$

$$p = 5^\circ$$