Year 9 – Spring 2 Check Point 1

Calculator Allowed

Name:_____

Teacher:_____

Class:_____

Date:_____

Instructions

- You must attempt each question.
- On this test paper, **you must show all your working where required** then circle your answer from the multiple choice options.

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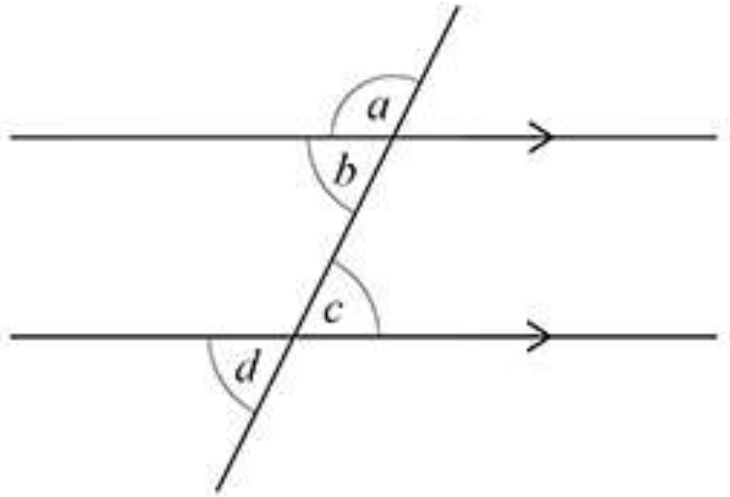
1

Know

SS Recognise angles in parallel lines

Which are a pair of alternate angles?



A	B	C	D	E
a and b	b and c	c and d	a and d	b and d

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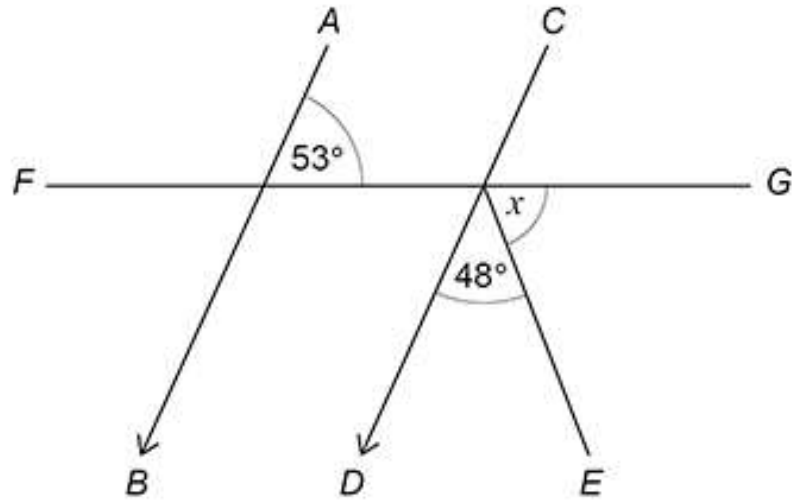
2

Apply

SS Recognise angles in parallel lines

What is the value of x?

Not drawn accurately



A	B	C	D	E
$5°$	$48°$	$53°$	$79°$	$101°$

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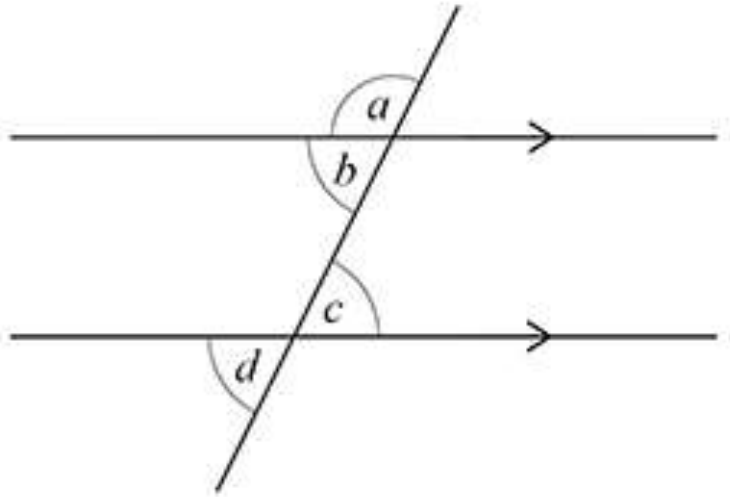
3

Know

SS Recognise angles in parallel lines

Which are a pair of co-interior angles?



A	B	C	D	E
a and b	b and c	c and d	a and d	not labelled

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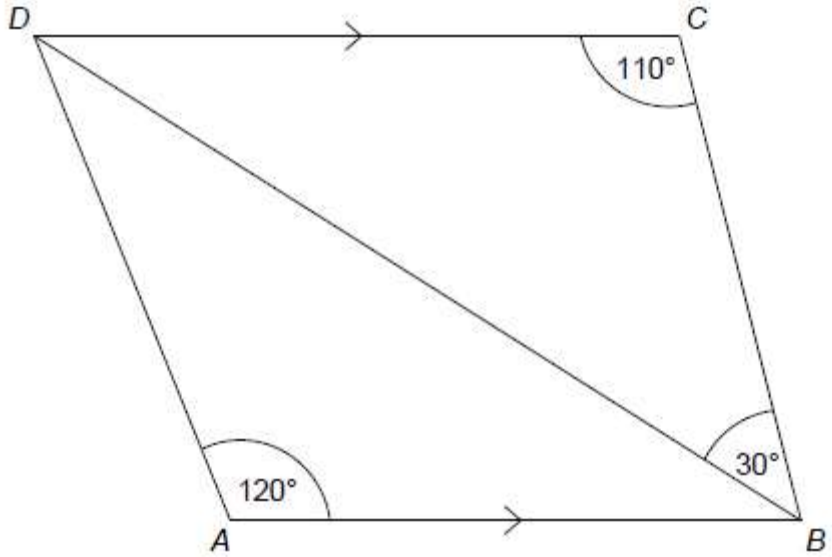
4

Apply

SS Recognise angles in parallel lines

What is the value of $angle\ ABD$?



A	B	C	D	E
$30°$	$40°$	$90°$	$110°$	$120°$

5

Know

SS Solve angle problems using chains of reasoning

Which of the statements is **FALSE**?

A. Angles on a straight line add up to 180 °

B. Angles around a point add up to 360 °

C. Angles in a triangle add up to 180. °

D. Angles in a quadrilateral add up to 90 °

E. When two straight lines cross, vertically opposite angles are always equal

A **B** **C** **D** **E**

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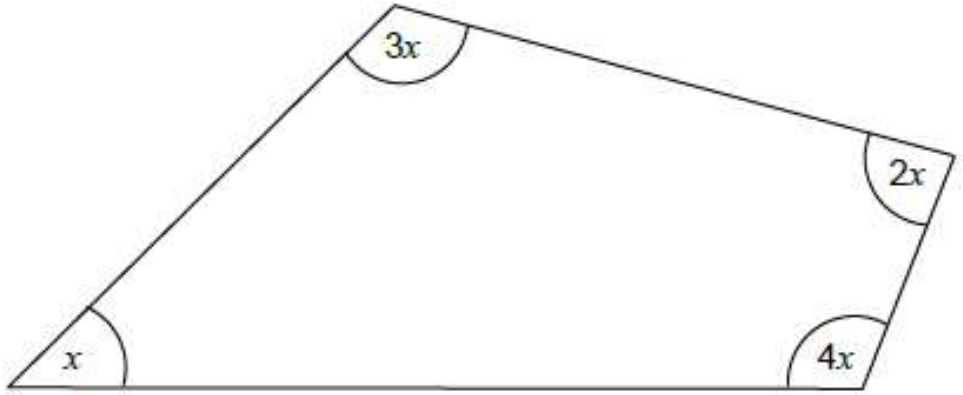
6

Apply

SS Use algebra to solve angle problems

What is the value of the angle x?



A	B	C	D	E
$18°$	$30°$	$36°$	$40°$	$45°$

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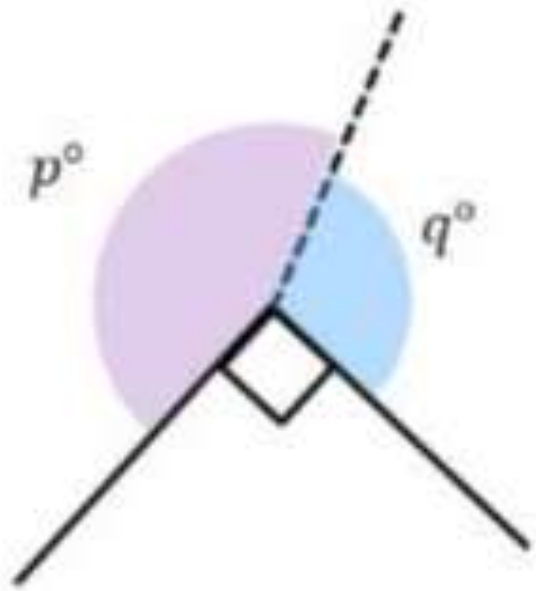
7

Know

Which of the following equations is **TRUE** based on the diagram to the right?



A

$\mathrm{q} = p + 90°$

B

$\mathrm{p} + q = 90°$

C

$\mathrm{p} + q = 270°$

D

$\mathrm{p} = q + 90°$

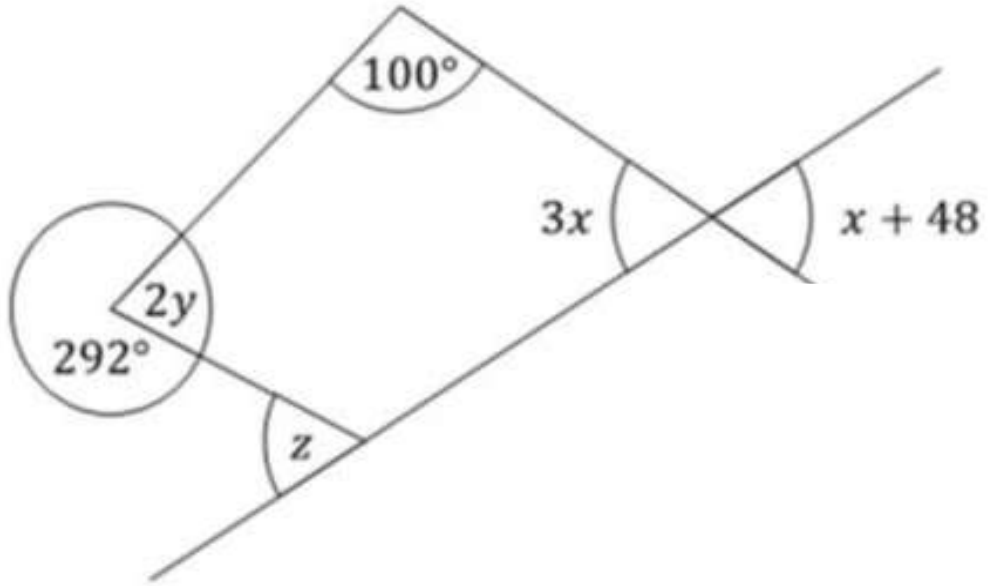
E

$\mathrm{p} + q = 360°$

8

Apply

Which of the following equations is **FALSE** based on angle facts?



A $2x = 48$

B $2y = z$

C $2y = 68$

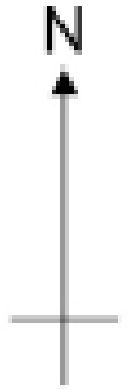
D $2y + 3x + 280 - z = 360$

E $3x = x + 48$

9

Know

What is the bearing from North to East?



A

45°

B

045°

C

90°

D

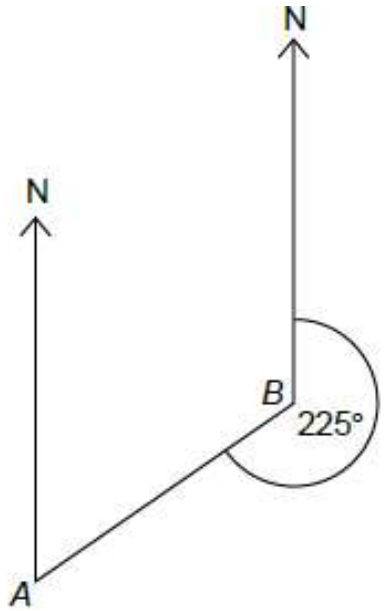
090°

E

270°

10 Apply

What is the bearing of B from A?



A	B	C	D	E
$35°$	$45°$	$135°$	$225°$	$315°$

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