

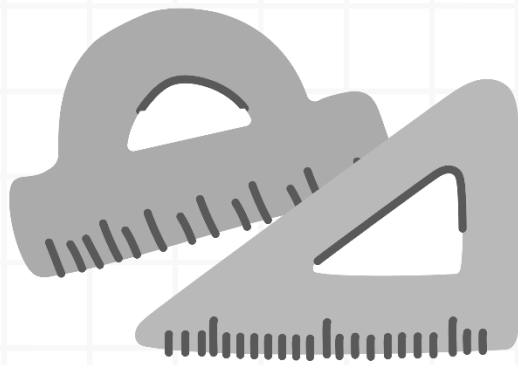
Ikigai Math

PRIMARY

TOPICAL MASTERY SERIES

Geometry

SOLUTIONS

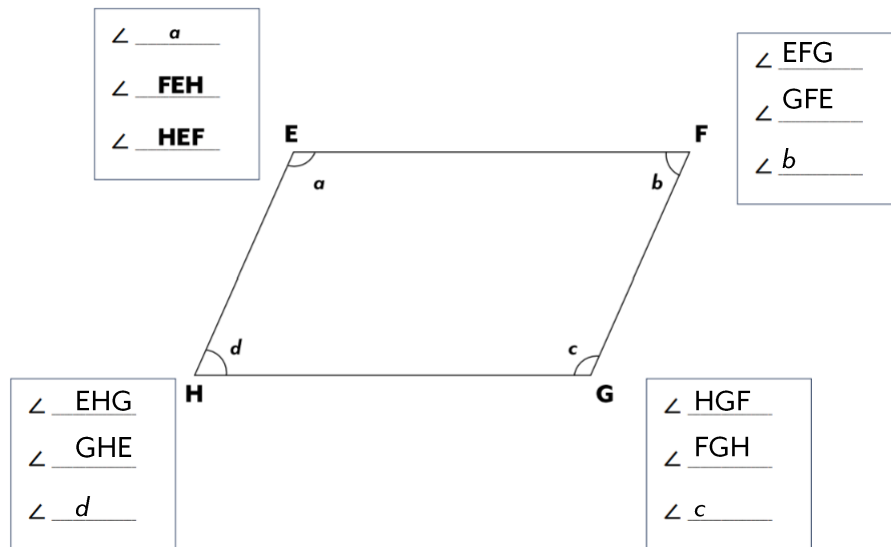


Building Fundamentals

SECTION I

PART D

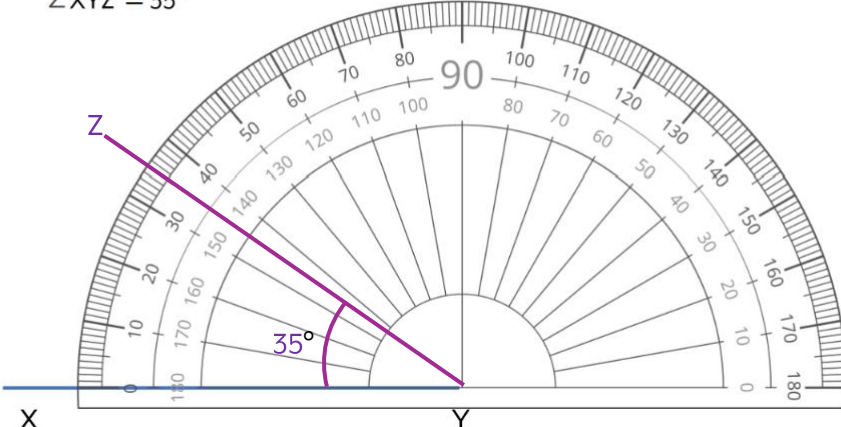
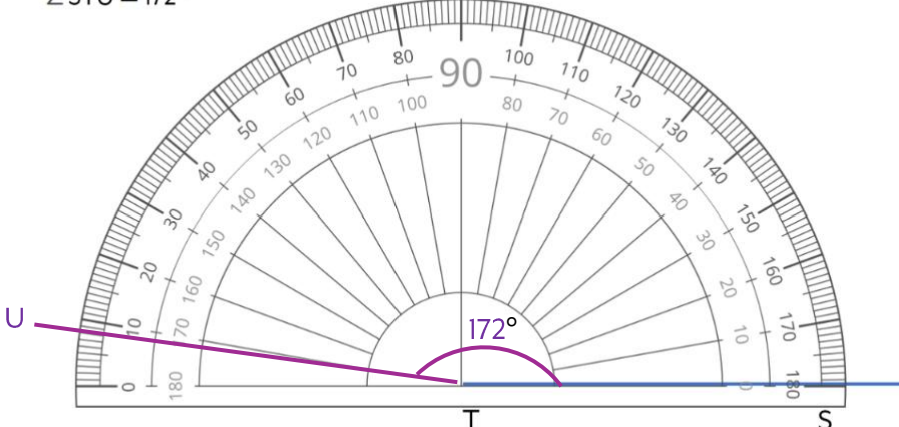
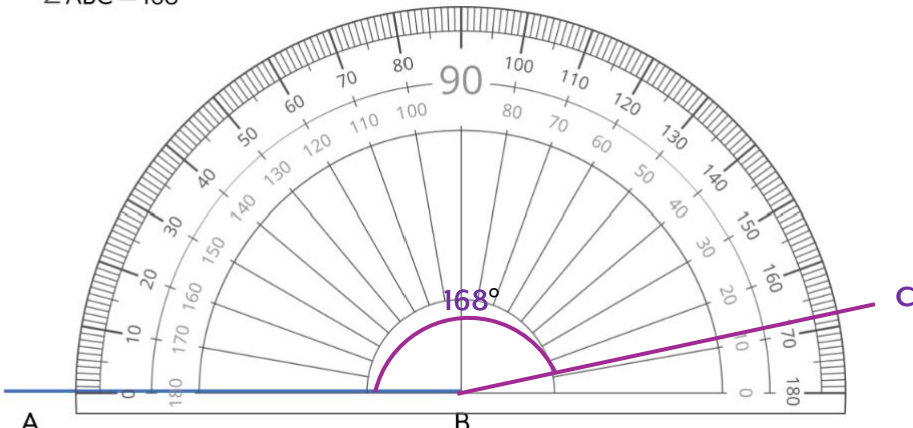
1



2a	$\angle$ STU , $\angle$ RUT, $\angle$ TUR or $\angle$ UTS
2b	$\angle$ RST
2c	$\angle$ URS
3a	$\angle$ AED or $\angle$ DEA
3b	$\angle$ EAB, $\angle$ BAE, $\angle$ DCB, or $\angle$ BCD
3c	$\angle$ EDC or $\angle$ CDE
	Take note $\angle$ ABC is reflex angle.
4a	3
4b	4
5	3 acute angles, 1 right angle, 1 obtuse angle, 2 reflex angles

TOPICAL MASTERY SERIES GEOMETRY SOLUTION

SECTION 2

1a 1b 1c	135° 50° 20°
2a	(a) $\angle XYZ = 35^\circ$ 
	(b) $\angle STU = 172^\circ$ 
	(c) $\angle ABC = 168^\circ$ 

TOPICAL MASTERY SERIES GEOMETRY SOLUTION

SECTION 2 (continue)

3a	51°
3b	121°
3c	299°
4a,b,c,d	Please submit drawing to your teacher to check for accuracy

SECTION 3 PART A

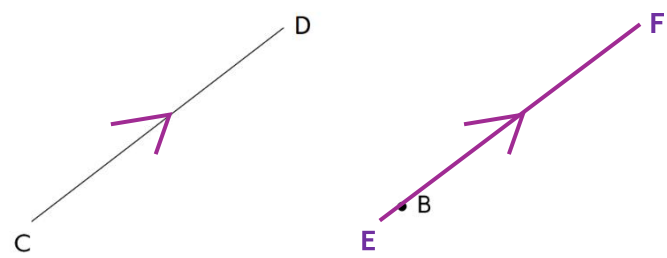
1	4 pairs of parallel lines , 8 pairs of perpendicular lines
2	$WX \parallel ZY$, or $XW \parallel YZ$
3	$AD \perp AB$, $AB \perp AC$
4	$JE \perp GB$, $AF \perp HC$ (more than one set of answers)
5a	3
5b	10
5c	2

SECTION 3 PART B

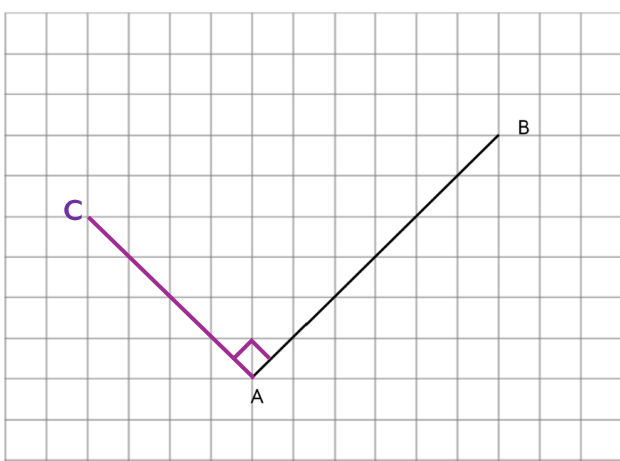
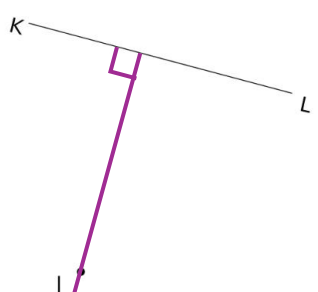
1

1) Draw Line MN that is parallel to Line AB and passes through Point W.

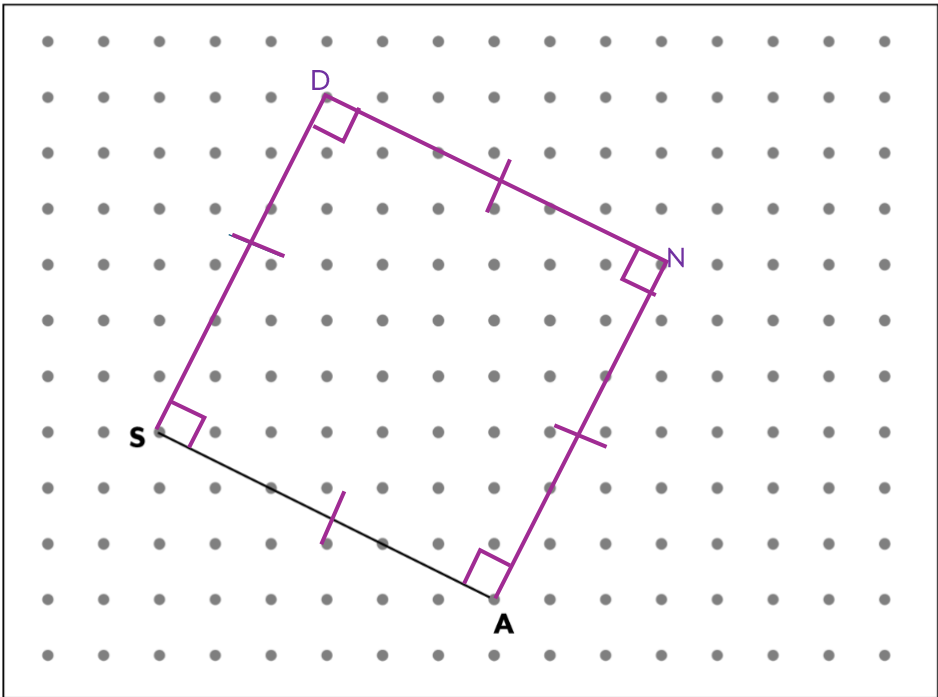
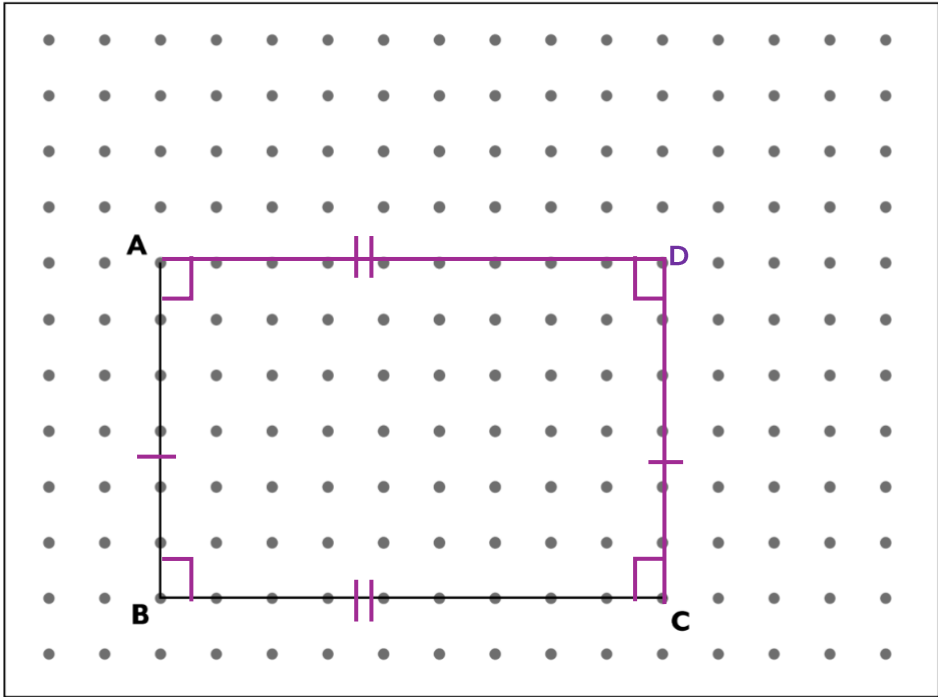
TOPICAL MASTERY SERIES GEOMETRY SOLUTION

2	2) Draw Line EF that is parallel to Line CD and passes through Point B. 
---	---

SECTION 3 PART C

1	1) Draw Line AC such that it is perpendicular to Line AB. 
2	2) Draw a line that is perpendicular to KL through Point J. 

SECTION 4

1	Complete the following square SAND. 
2	Please submit drawing to your teacher to check for accuracy
3	3) Complete the following rectangle ABCD. 
4	Please submit drawing to your teacher to check for accuracy

SECTION 5

1	51°
2	29°
3	134°
4	64°
5	17°
6	22°
7	34°
8	38°
9a	27°
9b	27°
10	26°
11	24°
12	27°