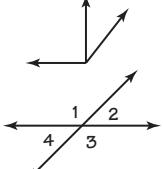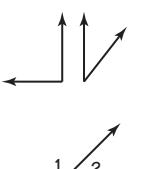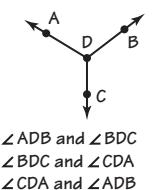# Chapter 7   Constructions and Scale Drawings
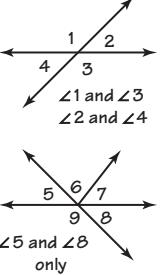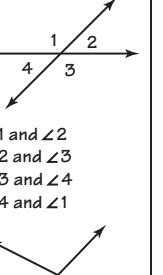
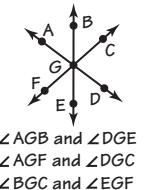## Example and Non-Example Chart
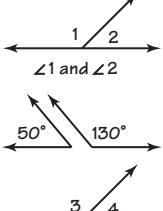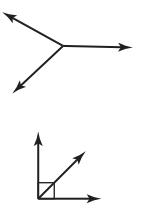
1–5. Sample answers are given.

1.

Adjacent angles

Examples	Non-Examples
∠1 and ∠2 ∠2 and ∠3 ∠3 and ∠4 ∠4 and ∠1	∠1 and ∠3 ∠2 and ∠4
∠ADB and ∠BDC ∠BDC and ∠CDA ∠CDA and ∠ADB	

2.

Vertical angles

Examples	Non-Examples
∠1 and ∠3 ∠2 and ∠4	∠1 and ∠2 ∠2 and ∠3 ∠3 and ∠4 ∠4 and ∠1
∠5 and ∠8 only	
∠AGB and ∠DGE ∠AGF and ∠DGC ∠BGC and ∠EGF	

3.

Supplementary angles

Examples	Non-Examples
∠1 and ∠2	
50° 130°	
∠3 and ∠4 ∠4 and ∠5 ∠5 and ∠6 ∠6 and ∠3	∠3 and ∠5 ∠4 and ∠6
117°, 63°	104°, 62°

4.

Quadrilaterals

Examples	Non-Examples
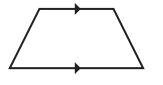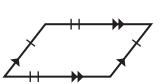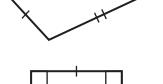
5.

Scale factor

Examples	Non-Examples
5 : 1	1 cm : 2 mm
1 : 200	1 mm : 20 cm
1 : 1	12 in. : 1 ft
3 : 2	3 mi : 2 in.

Big Ideas Math Red Accelerated