

IM1H Book 2 Selected Answers

IM1H Dream Team

November 18, 2025

1. (a) $\angle 2, \angle 3, \angle 5, \angle 8$
(b) $\angle 1, \angle 4, \angle 6, \angle 7$
(c) $\angle 3, \angle 5$
 $\angle 2, \angle 8$
(d) $\angle 4, \angle 6$
 $\angle 1, \angle 7$
(e) Answers may vary. $\angle 1, \angle 5$
2. (a) $\angle 2 + \angle 4 = 180^\circ$
(b) $\angle 2 + \angle 1 + \angle 3 = 180^\circ$
(c) $\angle 4 = \angle 1 + \angle 3$
(d) –
(e) –
3. (a) If P is not equidistant from the coordinate axes, then P is not on the line $y = x$.
(b) Yes. Always.
4. –
5. Exactly one
6. –