

Honors Geometry Syllabus

Trimester A

Unit 1 Lines and Angles

Assignment List Chapter 1

- 1.1 p. 9: 1-2, 4-26, 30-35, 57, 60-65
- 1.2 (linear measure and precision) skip
- 1.3 p. 25: 5-18, 19-28 (Dist. Formula or Pythagorean Thm your choice), 29, 43, 44, 50
- 1.4 p. 33: 1, 4-10, 12-37, 50, 52, 57, 58-60
- 1.5 p. 41: 6-29, 44-50, 56
- Ch. 1 Review p. 53: 1 – 41

Assignment List Chapter 3

- 3.1 p. 128: 4-6, 11-17, 22-27, 32-47, 70-75
- 3.2 p. 136: 5-37, 39
- 3.3 p. 142: 4-38 (slopes of lines)
- 3.5 p. 154: 4-31, 34
- 3.4 (equations of lines) skip
- 3.6 (perpendiculars and distance) skip
- Ch. 3 Review p. 167: 1 – 28, 35 – 40

Assignment List Chapter 2

- 2.1 p. 64: 4 – 36, 45 – 57 odd
- 2.2 (logic) skip will have bonus questions on test but not required
- 2.3 p. 78: 4-9, 13-14, 16-26 even, 40-44 even, If P Then Q worksheet
- 2.4 (deductive reasoning) skip
- 2.5 (postulates and paragraph proofs) skip
- 2.6 (algebraic proof) skip
- 2.7 (proving segment relationships) skip
- 2.8 p. 111: 3-24, 38-39
- Review p. 115: 1 – 17, 25 – 38, 47 – 58

Unit 2 Triangles

Assignment List Chapter 4 with some of Chapter 5

- 4.1 p. 180: 5-6, 9-10, 13-18, 26-27, 32-37
- 5.4 p. 263: 4-11, 15-37 odd, 41, 44
- 4.2 p. 188: 5-9, 15-27, 32-35, 49-51
- 4.3 p. 195: 3-4, 9-12, 14, 22-25, 40-44
- 4.4 p. 203: 6, 7, 8, 14, 16, 18, 22-25, 32-40
- 4.5 p. 210: 4, 6, 10-18 evens, 33-34, 36;
p. 214 – 215: 1 – 3, 7 – 11 (may do all paragraph or all two-column proofs)
- 4.6 p. 219: 4-28
- 4.7 p. 224: 5-7, 10-24, 34-36 (optional – Honors)
- 5.1 p. 242: 6, 12-30 (optional – Honors)
- Review p. 227: 1 – 28, p. 276: 21 – 23

Unit 3 Similar Triangles

Assignment List Chapter 6

6.1 p. 284: 5-24, 26-35, 41
6.2 p. 292: 1, 4-9, 11-23, 27-48, 51, 52, 62, 63
6.3 p. 301: 3-21, 28-33, 39-44
6.4 p. 311: 4-26, 33-34
6.5 p. 319: 3-7, 9-24, 28
6.6 skip
Review p. 332: 1 – 38

Unit 4 Quadrilaterals

Assignment List Chapter 8

8.1 done in Unit 7

8.2 p. 414: 1, 16-31
8.3 p. 421: 19-24, 35-36
8.4 p. 428: 4-24, 27-34
8.5 p. 434: 4-9, 12-19, 20
8.6 p. 442: 9-12, 15-19, 22-28
8.7 (coordinate proofs with quadrilaterals) skip
Review p. 452: 1-8, 15-38

Trimester B

Unit 5 Right Triangles

Assignment List Chapter 7

7.1 (geometric mean) skip
7.2 p. 353: 1, 4-10, 12-17, 19, 21-29, 40
7.3 p. 360: 3-8, 11-19, 20-30 even
7.4 p. 367: 1, 4-14, 19-49 odd
7.5 p. 373: 4-23, 28
7.6 (Law of Sines – optional) p. 380: 1, 4 – 32
7.7 (Law of Cosines – optional) p. 387: 4 – 10, 11 – 37 odd, 41, 42
Review p. 392: 1 – 30, (31 – 39 odd, only if we do 7.6, 7.7)

Unit 6 Circles

Chapter 10 Assignment List

10.1 p. 525: 1, 2, 4-20, 32-36, 38-42, 52-55
10.2 p. 533: 2, 3, 4-37, 40-45, 48-51
10.3 p. 539: 1, 5-35
10.4 p. 548: 3, 5, 6, 8-10, 13-27, 31-34
10.5 p. 555: 1-20, 23-25
10.6 p. 564: 1, 3-30, 34-36
10.7 p. 571: 4-6, 8-19, 22-28
10.8 p. 577: 3-22, 24-29
Review p. 581: 1 – 57

Unit 7 Area (2D)

Chapter 11, including 8.1 and 13.4

8.1 p. 407: 4, 5, 8, 9, 13-18, 27-28

11.1 p. 598: 3 – 28, 31

11.2 p. 605: 2 – 21, 23 – 29 odd, 30, 31, 33, 34, 41 – 45 odd

11.3 p. 613: 3 – 7, 9 – 25 odd, 34, 35, 40 – 42

11.4 p. 619: 3-15, 17-23 odd

11.5 p. 625: 3-14, 16, 18, 24, 25, 33

13.4 p. 710: 3-23, 27-30

Review p. 628: 1-20, p. 452: 9-14, p. 722: 22, 23

Unit 8 Surface Area and Volume

Assignment List Chapter 12

12.1 (3D Figures) skip

12.2 (Nets and Surface Area) skip

12.3 p. 651: 3-13, 15-24

12.4 p. 657: 3-20, 24, 25

12.5 p. 663: 3-6, 7-19 odd, 21-23

12.6 p. 668: 3-6, 7-25 odd

12.7 p. 674: 2-16, 17-23 odd, 30-32

Ch. 12 Review p. 678: 1-10, 20-40

Assignment List Chapter 13

13.1 p. 691: 2-18, 22, 23, 27, 28

13.2 p. 699: 4-17, 20-23, 25-27

13.3 p. 704: 2-20, 28, 30, 31

13.4 p. 710: 3-23, 27-30

13.5 (Coordinates in Space) skip

Ch. 13 Review p. 720: 1-23

Unit 9 Transformations

Assignment List Chapter 9

9.1 p. 467: 5-26, 27-33 odd, 35-37

9.2 p. 472: 3-20, 27, 29, 37

9.3 p. 479: 5, 6, 8, 9, 13-18, 22-24, 32

9.4 p. 486: 4-9, 11-16, 21-27, 30-34

9.5 p. 493: 3-13, 15-35 odd, 39, 40

9.6 p. 502: 4-20, 21-35 odd, 39, 43, 47-53

9.7 (Transformations with Matrices) skip

Review p. 512: 1-41