9. 116° You may want to accept answers that are a degree or two either way for this and similar problems.
10. 24°
11. 90°
12. 75° – check with protractor
13. 95° – check with protractor
14. 170° – check with protractor

Lesson Practice 3B

1. J
2. G
3. S
4. H
5. ∠CHB or ∠BHC
6. M
7. ∠XMY or ∠YMX
8. M
9. 138°
10. 49°
11. 24°
12. 15° – check with protractor
13. 160° – check with protractor
14. 110° – check with protractor

Systematic Review 3C

1. angles
2. vertex
3. M
4. measure, angle
5. ∠BMC or ∠CMB
6. true
7. false: the intersection of two planes is a line
8. false: the intersection of two lines is a point
9. true
10. 73°
11. 101°
12. 12°
13. 30° – check with protractor
14. 25° – check with protractor
15. 90° – check with protractor
16. B
17. ray CD
18. rays DA or DC
19. C
20. ∅

Systematic Review 3D

1. degrees
2. vertex
3. coplanar
4. measure, angle alpha
5. similar
6. 90°
7. 51°
8. 170°
9. 179° – check with protractor
10. 18° – check with protractor
11. 88° – check with protractor
12. infinite
13. 2 – every plane is two-dimensional
14. line CD
15. line EG or any other answer that refers to the same line
16. C
17. x
18. infinite: every plane contains an infinite number of points
19. $\overline{CD}$
20. line CD

Systematic Review 3E

1. true
2. true
3. false: The union is $\overline{EF}$.

4. true
5. false
6. true: While this line is not shown, such a line could be drawn.
7. true
8. true
9. false: They have no common end point.
10. 16°
11. 90°
12. 122°
13. 13° – check with protractor
14. 125° – check with protractor
15. 170° – check with protractor
16. true: commutative property of addition
17. true: commutative property of multiplication
18. false: Division is not commutative.
19. false: Subtraction is not commutative.
20. true: commutative property of addition

Lesson Practice 4A

1. acute
2. obtuse
3. right
4. acute
5. acute
6. 180°, straight
7. 270°, reflex
8. 90°, right
9. reflex
10. acute
11. reflex
12. obtuse

Lesson Practice 4B

1. straight
2. obtuse
3. reflex
4. right
5. reflex
6. 56°, acute
7. 35°, acute
8. 136°, obtuse
9. obtuse
10. acute
11. right
12. obtuse

Systematic Review 4C

1. ∠AEB or ∠BEA
2. ∠α, ∠β, ∠γ, ∠AEB, ∠BEC, ∠ACE, ∠BED, ∠CED, ∠ABE, ∠BCE, ∠AEC or ∠ECD
3. ∠AEC
4. 90°
5. ∠BAE, ∠EDC, ∠AED or ∠ACD
6. E
7. BED or DEB
8. ∠EBC
9. acute
10. acute
11. obtuse
12. collinear
13. earth, measure
14. congruent
15. ∅: null or empty set
16. true
17. false: A point has zero dimensions.
18. false: A plane has two dimensions.
19. true: Any angle between 90° and 180° is obtuse.
20. false: A line segment has definite length.

Systematic Review 4D

1. acute
2. obtuse
3. reflex