

Test Solutions

Test 1

1. B: no dimensions
2. E: line
3. A: point
4. A: length
5. B: is infinite
6. C: point E
7. A: point Q
8. D: ∞ (infinite)
9. E: line segment \overline{AB}
10. B: ray CE
11. C: point
12. C: equal
13. A: similar
14. B: congruent
15. A: ray

Test 2

1. E: coplanar
2. D: line
3. C: length and width
4. C: two
5. A: intersection
6. B: union
7. B: infinite
8. C: \emptyset (null or empty set)
9. A: \cap (intersection)
10. E: \cup (union)
11. B: line CD
12. C: line AH
13. E: points F, D, E
14. C: line EG
15. A: point E

Test 3

1. B: point H
2. B: point H

3. C: point J
4. A: point H
5. E: $\angle AHC$
6. B: protractor
7. C: degrees
8. B: $\angle SRT$
9. E: the measure of angle two
10. B: 45°
11. A: 90°
12. D: 80°
13. E: 130°
14. A: 25°
15. E: 160°

Test 4

1. D: $\angle BGE$
2. C: $\angle CGE$
3. A: $\angle AGC$
4. C: reflex
5. E: straight
6. B: point S
7. B: 90°
8. E: can't tell from information given; it may be anything between 90° and 180°
9. A: acute
10. D: 90°
11. C: $\angle RNP$
12. E: $30^\circ + 45^\circ = 75^\circ$
13. B: $90^\circ - 50^\circ = 40^\circ$
14. B: Of angles given, only obtuse ones are $\angle MNQ$ and $\angle PNS$. $\angle PNS$ is the smaller of the two.
15. C: $m\angle MNR = 60^\circ + 30^\circ = 90^\circ$
 $90^\circ + 91^\circ = 181^\circ$
Reflex angles are $> 180^\circ$