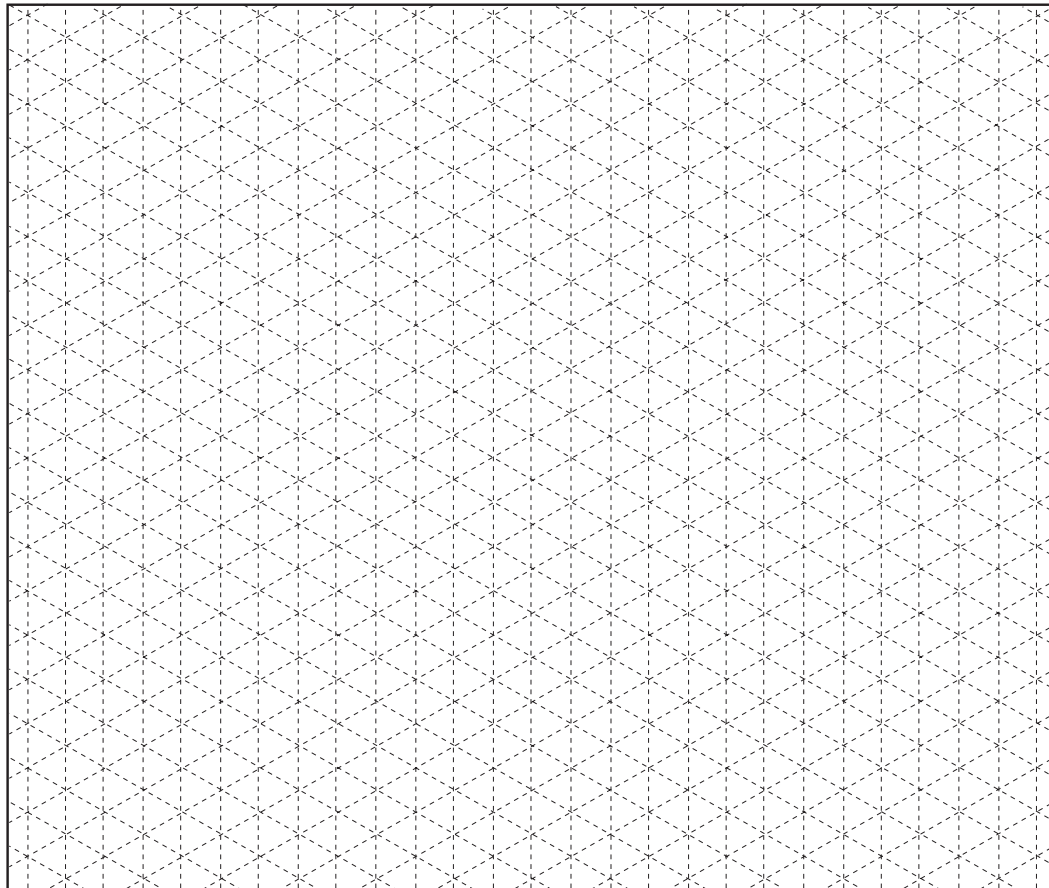
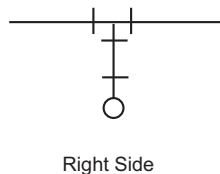
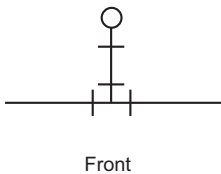
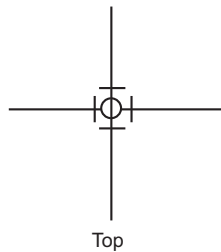


Questions for Lesson #13A

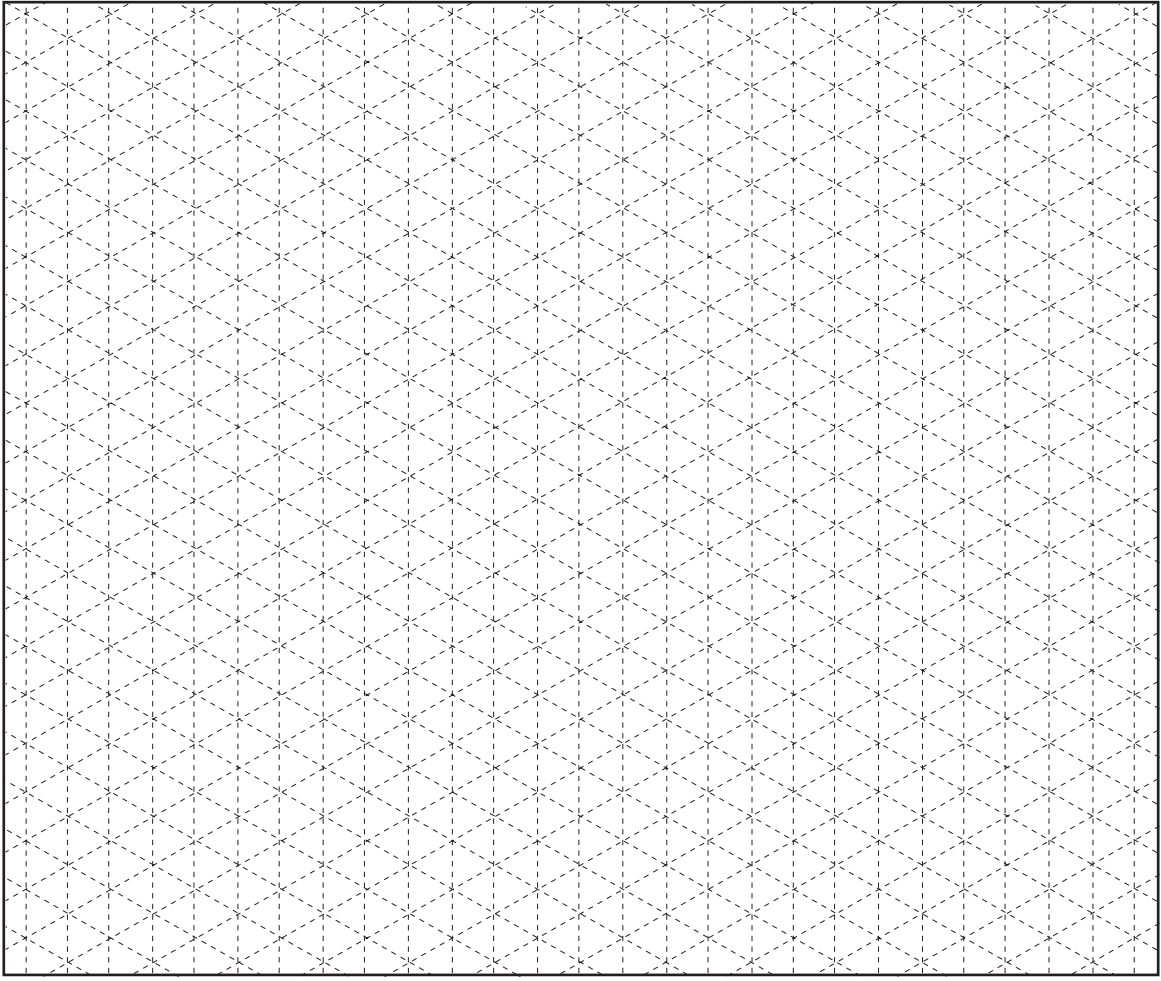
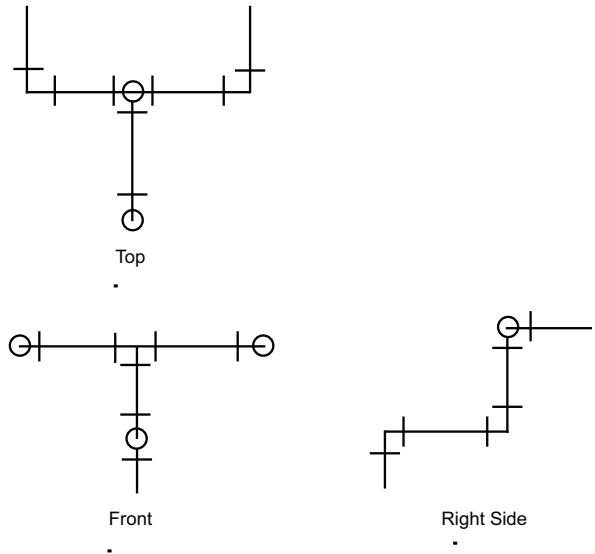
Record your final answers in the corresponding spaces below. Show all calculations when necessary. **Submit to WCC for correction with the provided lesson scantron. You must use a new answer sheet every time you submit this lesson quiz for correction.**

1. From the multi-view drawings provided, sketch the isometric in a single-line style. Show all fittings. Use approximately the same scale.



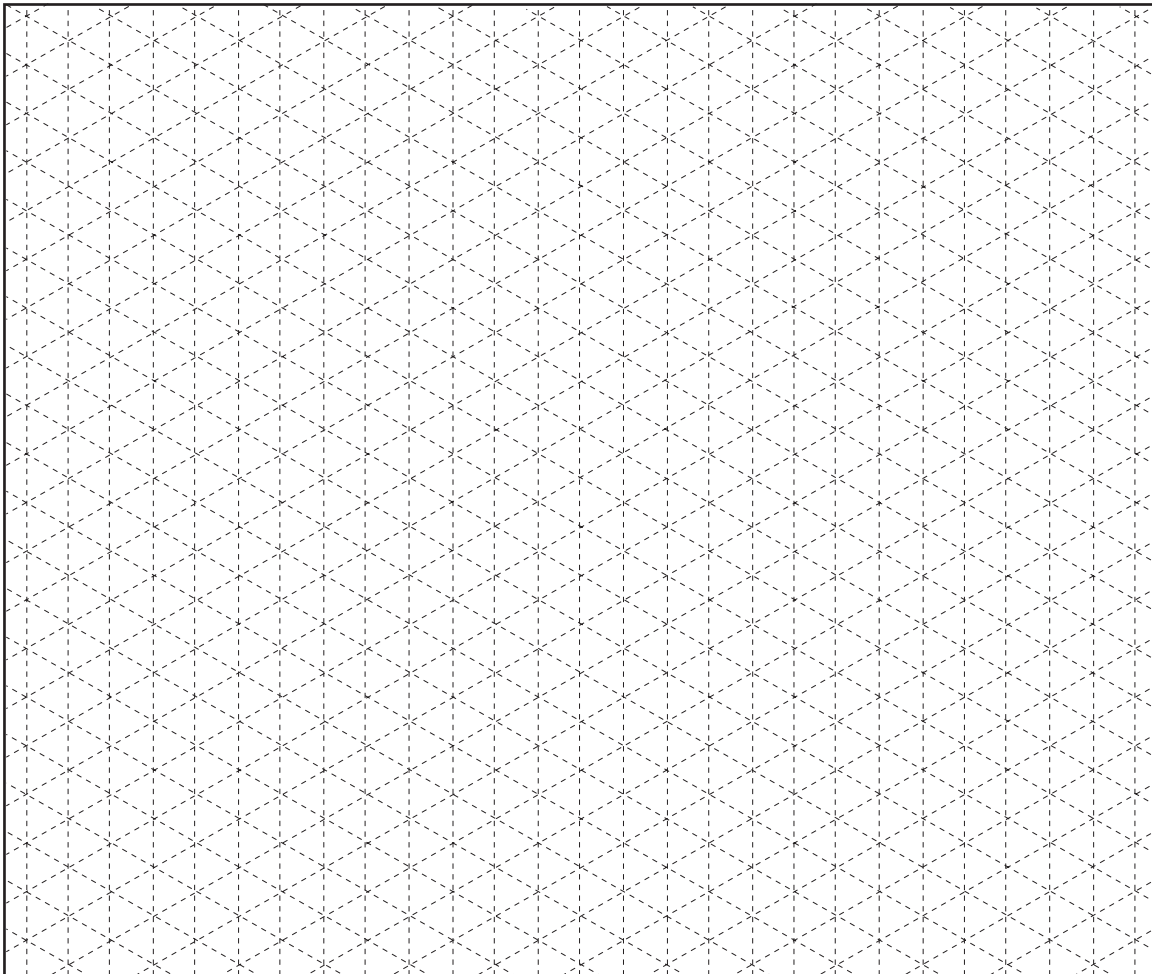
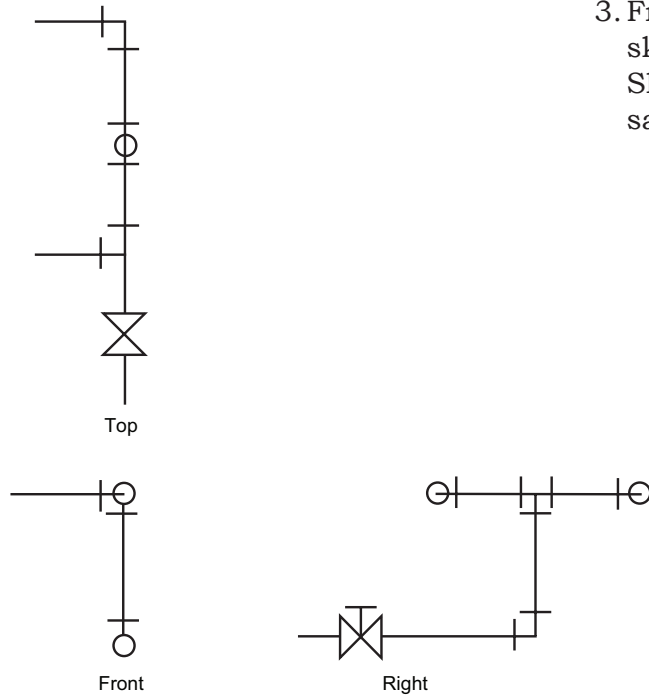
Questions for Lesson #13A

2. From the multi-view drawings provided, sketch the isometric in a single-line style. Show all fittings. Use approximately the same scale.



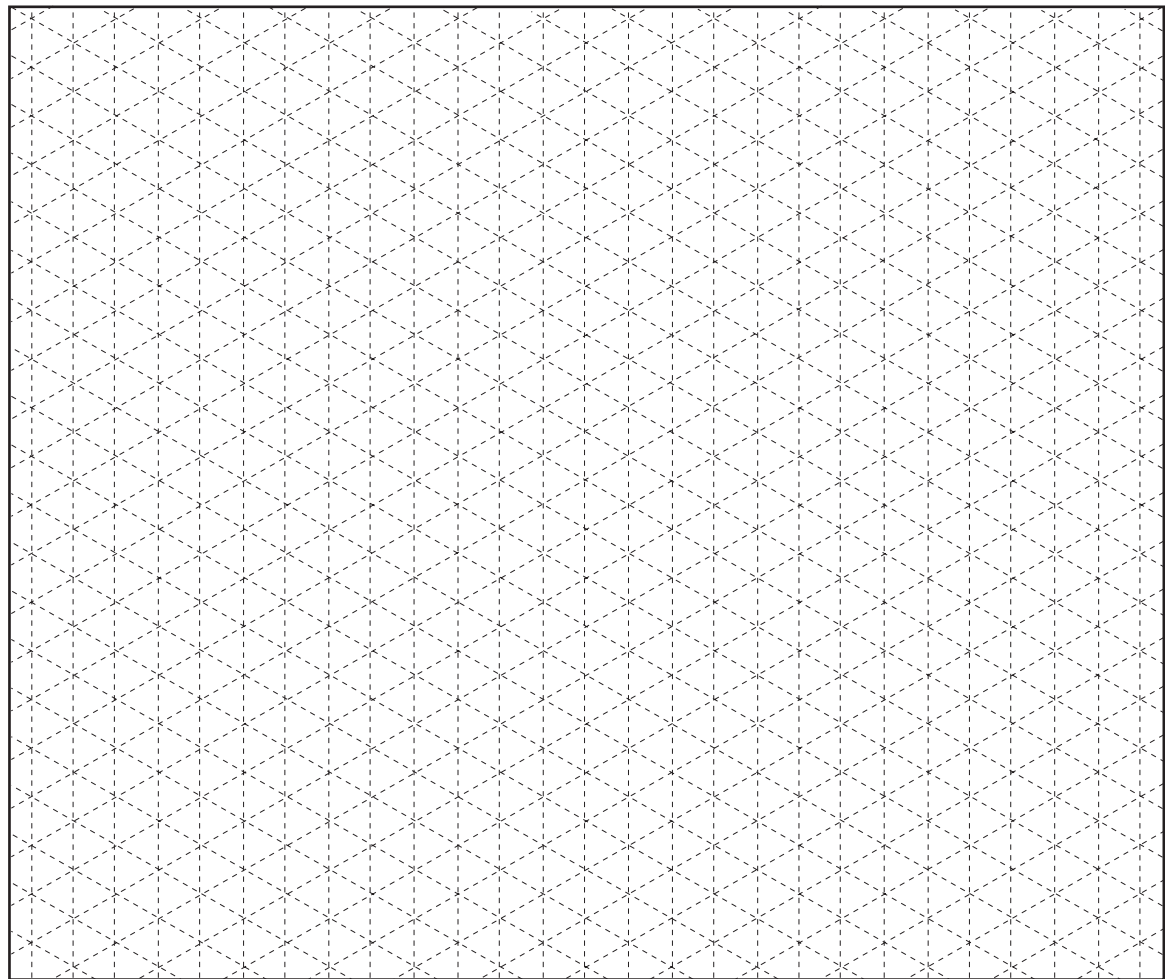
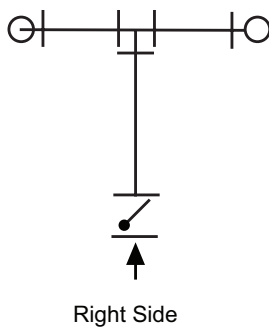
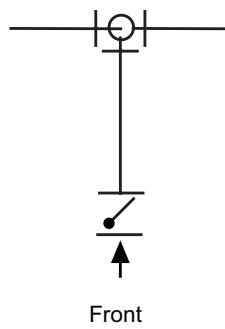
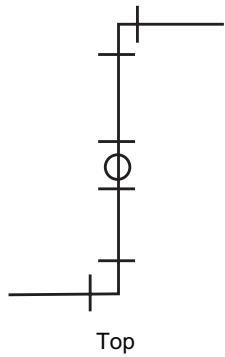
Questions for Lesson #13A

3. From the multi-view drawings provided, sketch the isometric in a single-line style. Show all fittings. Use approximately the same scale.



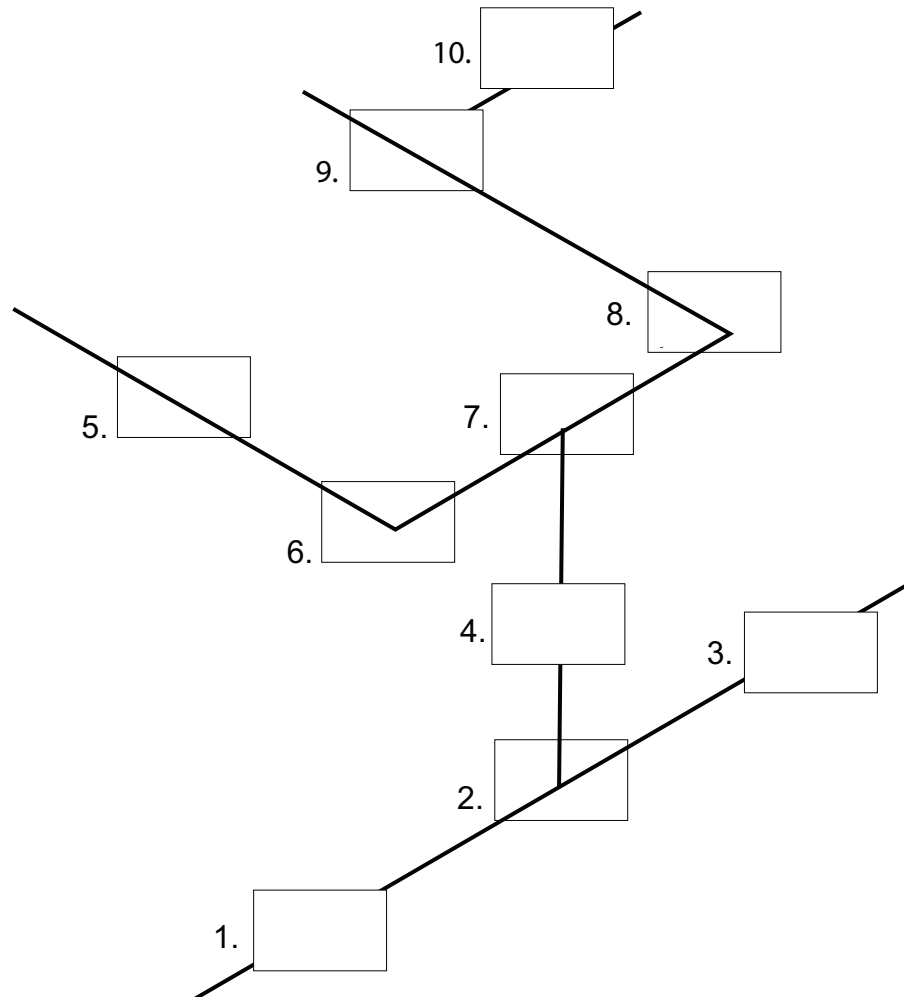
Questions for Lesson #13A

4. From the multi-view drawings provided, sketch the isometric in a single-line style. Show all fittings. Use approximately the same scale.



Questions for Lesson #13A

5. In the isometric diagram of piping system shown, sketch in the fittings as described below in the appropriate places numbered 1 to 10. Use single-line style.



1. bell and spigot gate valve, stem vertically up
2. welded tee
3. flanged gate valve, stem vertically up
4. screwed check valve, stem horizontal flanged 90°
5. union
6. screwed 90° elbow
7. flanged tee
8. flanged 90° elbow
9. screwed tee
10. screwed globe valve, waterflow up