

Name _____
Due Date _____
Block _____

Intro to Proofs #1.3

Fill in the blanks:

- | | |
|--|------------------------------------|
| 1. $\overline{AB} \cong \overline{CD}$ | 1. Given |
| 2. $\overline{CD} \cong \overline{EF}$ | 2. Given |
| 3. $\overline{EF} \cong \overline{GH}$ | 3. Given |
| 4. $\overline{GH} \cong \overline{LM}$ | 4. Given |
| 5. _____ | 5. Def of Congruent Line Segs (1) |
| 6. _____ | 6. Def of Congruent Line Segs (2) |
| 7. _____ | 7. Def of Congruent Line Segs (3) |
| 8. _____ | 8. Def of Congruent Line Segs (4) |
| 9. _____ | 9. Transitive Prop (5,6) |
| 10. _____ | 10. Trans Prop (6,7) |
| 11. _____ | 11. Trans Prop (7,8) |
| 12. _____ | 12. Trans Prop (9,11) |
| 13. _____ | 13. Trans (5,10) |
| 14. _____ | 14. Trans (13,8) |
| 15. _____ | 15. Symm (6) |
| 16. _____ | 16. Addition Prop (5,15) |
| 17. $2=2$ | 17. _____ |
| 18. _____ | 18. Division Prop (16,17) |
| 19. _____ | 19. Symm (10) |
| 20. _____ | 20. Trans (18,10) |
| 21. _____ | 21. Addition Prop (5,6) |
| 22. _____ | 22. Addition Prop (21,7) |
| 23. _____ | 23. Addition Prop (22,8) |
| 24. _____ | 24. Addition Prop (23,9) |
| 25. _____ | 25. Addition Prop (24,10) |
| 26. _____ | 26. Subtraction Prop (25,14) |
| 27. _____ | 27. Multiplication Prop (5,6) |
| 28. _____ | 28. Def of Congruent Line Segs (5) |
| 29. _____ | 29. Def of Congruent Line Segs (6) |
| 30. _____ | 30. Def of Congruent Line Segs (7) |