

2.4 Homework

On your own paper, write the step and the reason for each step, line by line.

Statement	Reason
1. $3x - 4 = 17$	Given
2. $3x = 21$	
3. $x = 7$	

Statement	Reason
4. $4(2x - 5) = 28$	Given
5. $8x - 20 = 28$	
6. $8x = 48$	
7. $x = 6$	

Statement	Reason
8. $7x - 3 = 2x + 37$	Given
9. $5x - 3 = 37$	
10. $5x = 40$	
11. $x = 8$	

Name the property that justifies each statement.

12. $AB = AB$
13. If $2x + y = 11$ and $y = 4$, then $2x + 4 = 11$.
14. If $\angle L \cong \angle M$ and $\angle M \cong \angle N$, then $\angle L \cong \angle N$.
15. $\angle G \cong \angle G$