

## Textbook Unit Review – Solutions

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1. SSS Similarity Theorem
2. AA Similarity Postulate
3. SAS Similarity Theorem
4. a.)  $\triangle EDC$   
b.) ED, EC, DC  
c.) 10, x;  $x = 14$   
d.) 10, y;  $y = 18$
5. r
6. p
7. h
8. a
9. 12
10. 14
11.  $6\frac{2}{3}$

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1. 3 : 5
2. 2 : 4 : 3
3.  $\frac{2y}{3x}$
4. 48, 48, and 84
5. No
6. Yes
7. Yes
8. Yes

9. angle J

10. SP

11. a.) 12

b.) 50

12.  $x = 9$

$Y = 13.5$

13. a.)  $\triangle UVH$

b.) AA Similarity Postulate

14. UV, VH, UH

16.  $\triangle NCD \sim \triangle NBA$

AA Similarity Postulate

17.  $\triangle NCD \sim \triangle NAB$

AA Similarity Postulate

18.  $\triangle NCD \sim \triangle NAB$

SAS Similarity Theorem

19. No