A#8 Pgs. 69-71 (7-9, 11-13, 15-16, 18-19, 21-25)

7)

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| Statements | Reasons |
| 1. | 1. Given |
| 2. is a right ∠ | 2. 2 lines  🡪 intersect at right ∠s |
| 3. is comp. to | 3. sum of 2 ∠s is a right ∠ 🡪 ∠s are comp. |

8)

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| Statements | Reasons |
| 1. Diagram as shown | 1. Given |
| 2. ∠GHJ is a straight ∠ | 2. Assumed from diagram |
| 3. ∠GHK is supp. to ∠KHJ | 3. sum of 2 ∠s is a straight ∠ 🡪 ∠s are supp. |

9)

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| Statements | Reasons |
| 1. ∠MRO is comp. to ∠PRO | 1. Given |
| 2. ∠MRP is a right angle | 2. 2 ∠s are comp. 🡪 the sum of 2 ∠s is a right ∠ |

11) Larger = 125˚

12a) (-3, 4) 12b) (-3, -4) 12c) (0, 4)

13a) The measure of each ∠ is 90˚.  
 Explanation: 90˚+90˚=180˚

13b) The measure of each angle is 45˚.  
 Explanation: 45˚ +45˚ = 90˚

15) 8.46(11.21) ≈94.84 units2

16) 110˚ and 70˚ 18) Larger = 158˚

19) 27˚ 21) 30˚ 22) 

23) 12˚ 24a)  24b)  25) 70˚

-4 points for each answer