pgs 64-65 (3-8, 10-12, 14)

3a)21˚42’ 26” 3b) 45 4a) 30 4b) 1.2 5) (4, 0)

6)

|  |  |
| --- | --- |
| Statements | Reasons |
| 1. | 1. Given |
| 2. is a right ∠  is a right ∠ | 2. 2 lines  🡪 form right ∠s |
| 3. | 3. 2 ∠s are right ∠s 🡪 ∠s are congruent. |

7)

|  |  |
| --- | --- |
| Statements | Reasons |
| 1. | 1. Given |
| 2. is a right ∠ | 2. 2 seg  🡪 form right ∠s |
| 3. is a right ∠ | 3. ∠ measures 90˚🡪 ∠ is a right ∠ |
| 4. | 4. 2 ∠s are right ∠ 🡪 they are congruent |

8) 10a) (-3, 2) 10b) 117

11) 15, 30, 45 12) 5˚ 14) 22

Pgs. 69-71 (7-9, 11, 14, 16, 21-23, 25)

7)

|  |  |
| --- | --- |
| 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)

|  |  |
| --- | --- |
| 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)

|  |  |
| --- | --- |
| 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˚ 14) 45, 45 16) 110˚and 70˚

21) 30˚ 22)  23) 12˚

25) 70˚ -3 points for each problem not attempted