

EXERCISE SET 9D

1. more than one possible solution
2. one possible solution
3. one possible solution
4. one possible solution
5. one possible solution
6. no possible solution
7. one possible solution
8. one possible solution
9. one possible solution

EXERCISE SET 9E

1. $\triangle TOP \cong \triangle NGU$ by SAS
2. $\triangle FOR \cong \triangle CAD$ by SSS
3. $\triangle FRY \cong \triangle PAN$ by ASA
4. cannot be determined
5. cannot be determined
6. $\triangle TRE \cong \triangle EKT$ by ~~SSS~~ ASA
7. cannot be determined
8. cannot be determined
9. $\triangle BRT \cong \triangle FYL$ by AAS
10. ~~$\triangle CAT \cong \triangle POT$ by AAS or ASA~~ can't be determined
11. $\triangle HAT \cong \triangle TOP$ by ASA
12. $\triangle TOX \cong \triangle PIX$ by ASA, $\triangle TIP \cong \triangle POT$ by SSS
or AAS

EXERCISE SET 9F

1. $a = 28^\circ, b = 62^\circ, c = 62^\circ, d = 118^\circ, e = 28^\circ, f = 76^\circ, g = 76^\circ, h = 24^\circ, k = 36^\circ, m = 78^\circ, n = 38^\circ, p = 50^\circ, q = 50^\circ, r = 80^\circ, s = 100^\circ, t = 52^\circ, v = 38^\circ, w = 66^\circ$
2. $a = 70^\circ, b = 35^\circ, c = 70^\circ, d = 110^\circ, e = 110^\circ, f = 70^\circ, g = 110^\circ, h = 70^\circ, j = 70^\circ, k = 35^\circ, m = 75^\circ, n = 75^\circ, p = 35^\circ, q = 20^\circ, r = 20^\circ$