

## EXERCISE SET 10E

---

1.  $\triangle BIG \cong \triangle BOY$  by SAS
2.  $\triangle BIG \cong \triangle GAP$  by AAS
3.  $\triangle BIG \cong \triangle MAC$  by ASA
4.  $\triangle RED \cong \triangle OGD$  by ASA
5.  $\triangle PSZ \cong \triangle ATZ$  by SAS
6.  $\triangle TRE \cong \triangle EKT$  by SAS
7.  $\triangle MEY \cong \triangle OUY$  by AAS
8. cannot be determined
9.  $\triangle CAT \cong \triangle RAT$  by SAS
10. cannot be determined
11.  $\triangle LUQ \cong \triangle LUA$  by SAS or AAS
12.  $\triangle GOY \cong \triangle ERY$  by ASA

## EXERCISE SET 10F

---

1.  $a = 38^\circ, b = 29^\circ, c = 113^\circ, d = 128^\circ, e = 23^\circ, f = 29^\circ, g = 71^\circ, h = 71^\circ, k = 38^\circ, m = 71^\circ, n = 38^\circ, p = 71^\circ, q = 71^\circ$
2.  $a = 26^\circ, b = 52^\circ, c = 128^\circ, d = 26^\circ, e = 26^\circ, f = 52^\circ, g = 52^\circ, h = 102^\circ, k = 76^\circ, m = 38^\circ, n = 64^\circ, p = 38^\circ, q = 52^\circ$

## EXERCISE SET 11A

---

1.  $A = 480 \text{ m}^2$
2.  $b = 36 \text{ cm}$
3.  $A = 390 \text{ cm}^2$
4.  $b = 10 \text{ m}$
5.  $A = 78 \text{ cm}^2$
6.  $h = 12 \text{ m}$
7.  $312 \text{ cm}^2$
8.  $430 \text{ m}^2$
9.  $h = 42 \text{ cm}$
10.  $A = 16\pi \text{ m}^2$