Pg. 222; # 11-43odd

Geometry (Section 4.1)

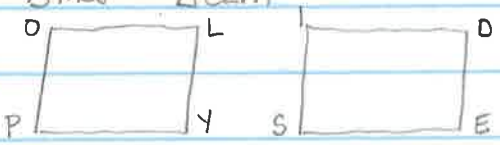
11. $\overline{KJ} \cong \overline{CM}$

13. $\angle L \cong \angle B$

15. $\angle M \cong \angle J$

17. $\triangle KBJ \cong \triangle CLM$

19. $\triangle JKB \cong \triangle MCL$

21. 

$\angle P \cong \angle S$, $\angle O \cong \angle I$, $\angle L \cong \angle D$, $\angle Y \cong \angle E$

23. $GH =$ 45 ft

25. $m\angle BAD =$ 52°

27. $BC =$ 280 ft

29. $m\angle EFG =$ 128°

31. No, the sides are not congruent

33. C ($\angle N \cong \angle F$)

35. $m\angle A \cong m\angle D$

$x + 10 = 2x$

$-x \quad -x$

$x = 10$

$m\angle A = m\angle D = 20$

37. $BC \cong EF$

$3z + 2 = z + 6$

$-2 \quad -2$

$3z = z + 4$

$-z \quad -z$

$2z = 4$

$z = 2$

$BC = EF = 8$

39. $\angle D = 180 - 51 - 81$

$= 48$

$\angle A = \angle O = 48$

$x + 5 = 48$

$x = 43$

41. $6x = 30$

$x = 5$

43. $\triangle MLJ \cong \triangle ZRN$

$ML \cong ZR$ $\quad \angle M \cong \angle Z$

$LJ \cong RN$ $\quad \angle L \cong \angle R$

$JM \cong NZ$ $\quad \angle J \cong \angle N$