A#5 ① p. 77 #3-23 odd, 33-43 odd
② p. 82-83 #3-35 odd, 32-34

Key

① p. 77 #3-23 odd, 33-43 odd

3. $-11+3$ → -8

5. $13+(-7)$ → 6

7. $-9+(-4)$ → -13

9. $-14+8$ → -6

11. $-11+(-9)$ → -20

13. $-8.7+4.2$ → -4.5

15. $9.1+(-2.5)$ → 6.6

17. $-11.4+(-3.8)$ → -15.2

19. $8\frac{2}{3}+(-1\frac{3}{5})$

$8\frac{10}{15}+(-1\frac{9}{15})$

$7\frac{1}{15}$

21. $-\frac{4}{9}+1\frac{4}{5}$

$-\frac{20}{45}+\frac{36}{45}$

$1\frac{16}{45}$

23. $-7\frac{1}{12}+(-13\frac{7}{8})$

$-7\frac{2}{24}+(-13\frac{21}{24})$

$-20\frac{23}{24}$

33. $-18+(-12)+(-19)$

$-30+(-19)$

-49

35. $-2.6+(-3.4)+7.6$

$-6+7.6$

1.6

37. $8\frac{2}{3}+(-6\frac{3}{5})+3\frac{1}{4}$

$8\frac{40}{60}+(-6\frac{36}{60})+3\frac{15}{60}$

$2\frac{4}{60}+3\frac{15}{60}$

$5\frac{19}{60}$

39. $x+(-5)+5$; $x=-3$

$-3+(-5)+5$

$-8+5$

-3

41. $-1.7+(-5.4)+(-x)$; $x=2.4$

$-1.7+(-5.4)+(-2.4)$

$-7.1+(-2.4)$

-9.5

43. $|x|+(-3\frac{1}{4})+(7\frac{3}{10})$; $x=-3\frac{1}{3}$

$|-3\frac{1}{3}|+(-3\frac{1}{4})+(7\frac{3}{10})$

$3\frac{20}{60}+(-3\frac{15}{60})+7\frac{18}{60}$

$\frac{5}{60}+7\frac{18}{60}$

$7\frac{23}{60}$

[2] p. 82-83 #3-25 odd, 32-34 [Key]

3. $13-(-5)$
$13+5$
[18]

5. $-11-(-3)$
$-11+3$
[-8]

7. $-35.9-(-50)$
$-35.9+50$
[14.1]

9. $-3.6-22.2$
$-3.6+(-22.2)$
[-25.8]

11. $\frac{1}{2}-\frac{5}{6}$
$\frac{3}{6}+(-\frac{5}{6})$
$-\frac{2}{6}$
$[-\frac{1}{3}]$

13. $\frac{1}{2}-(-\frac{1}{4})$
$\frac{2}{4}+\frac{1}{4}$
$[\frac{3}{4}]$

15. Error: 8 was substituted for y.
$3-(-8)+2$
$3+8+2$
$11+2$
[13]

For #17-25 odd, $x=7.1$ and $y=-2.5$.

17. $x-(-y)$:
$7.1-(-(-2.5))$
$7.1-2.5$
$7.1+(-2.5)$
[4.6]

19. $x-(-6)+y$
$7.1-(-6)+(-2.5)$
$7.1+6+(-2.5)$
$13.1+(-2.5)$
[10.6]

21. $-y-(1.9-x)$
$-(-2.5)-(1.9-7.1)$
$-(-2.5)-(1.9+(-7.1))$
$-(-2.5)-(-5.2)$
$2.5+5.2$
[7.7]

23. $x-y-2$
$7.1-(-2.5)-2$
$7.1+2.5+(-2)$
$9.6+(-2)$
[7.6]

25. $x+y-2.8$
$7.1+(-2.5)-2.8$
$4.6+(-2.8)$
[1.8]

For #32-34, $x=3.6$, $y=6.6$, $z=-11$

32. $(x-y)-|z|$
$(3.6-6.6)-|-11|$
$(3.6+(-6.6))-11$
$-3+(-11)$
[-14]

$(x-|-y|)-z$

33. $(3.6-|-6.6|)-(-11)$
$(3.6-6.6)-(-11)$
$(3.6+(-6.6))+11$
$-3+11$
[8]

$x-|y-z|$

34. $3.6-|6.6-(-11)|$
$3.6-|6.6+11|$
$3.6-|17.6|$
$3.6-17.6$
$\rightarrow 3.6+(-17.6)$
[-14]