P65

48. $\frac{11}{25} + \frac{-13}{25}$

$\frac{-2}{25}$

$11 + -13$

-2

$|11|$ $|-13|$

11 13

52. $2\frac{1}{4} - 5\frac{2}{5}$

$5\frac{2}{5}$

$-2\frac{1}{4}$

$5\frac{8}{20}$

$-2\frac{5}{20}$

$2\frac{3}{20}$

$-2\frac{3}{20}$

52. p71

$y - z$

$y = -3$

$z = -10$

$-3 - -10$

$-3 + +10$

7

$-x + y$

$x = -3$

$y = -5$

$-3 + -5$

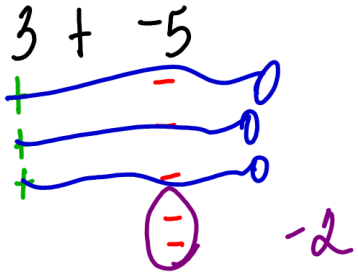
60 pts

$a + -c$

$2 + +5$

7

$3 + -5$



$-\frac{3}{4} + \frac{2}{3}$

$-\frac{9}{12} + \frac{8}{12}$

$-\frac{1}{12}$

$-9+8$

-1

$-\frac{1}{12}$

$2\frac{3}{5} - 8\frac{1}{3}$

$2\frac{9}{15} - 8\frac{5}{15}$

$7\frac{20}{15}$

$8\frac{5}{15}$

$-2\frac{9}{15}$

$5\frac{11}{15}$

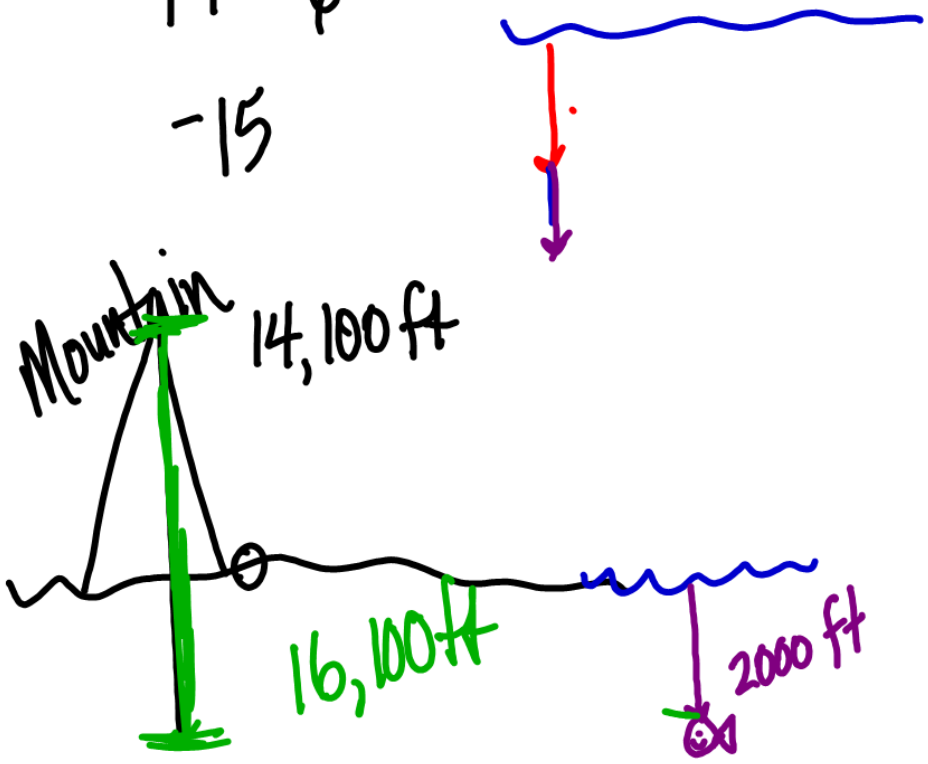
$-5\frac{11}{15}$

$8 + +3$

11

$-9 + -6$

-15



2.4 p73

Multiplying & Dividing

$4 \cdot 5 = 20$

$-4 \cdot -5 = 20$

$4 \cdot -5 = -20$

$-4 \cdot 5 = -20$

$\frac{20}{5} = 4$

$\frac{-20}{-5} = 4$

$\frac{-20}{5} = -4$

$\frac{20}{-5} = -4$

$+ \cdot + = +$

$+ \cdot - = -$

$- \cdot + = -$

$- \cdot - = +$

$6(1) = 6$

$-8(1) = -8$

Identity Property of Multiplication

1 is the identity element of multiplication

$6(-1) = -6$

$-9(-1) = 9$

$\frac{8}{-1} = -8$

$\frac{-7}{-1} = 7$

$\frac{-1x}{-1} = \frac{10}{-1}$

$x = -10$

$-x = 10$

$+ +10 = 10$

$$\frac{2}{3} \cdot \frac{3}{2} = 1$$

$$\frac{3}{4} \cdot \frac{4}{3} = 1$$

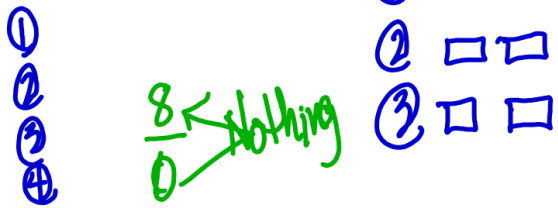
$$-\frac{4}{7} \cdot \frac{-7}{4} = 1$$

$$\frac{9}{1} \cdot \frac{1}{9} = 1$$

$7(0) = 0$

$\frac{0}{4} = 0$

$\frac{k}{3} = 2$



$\frac{8}{0}$ undefined

Can not divide by 0

Zero is under undefined

$\frac{9}{1}$ $\frac{1}{9}$

$\frac{0}{1}$ $\frac{1}{0}$ Zero has no reciprocal

p 78 26-60 x 4