



2.2 PRACTICE

(If you start with a fraction, end with a fraction. If you start with a decimal, end with a decimal)

Find the sum		
1. $-8.7 + 4.2$ -4.5	2. $9.1 + (-2.5)$ 6.6	3. $-11.4 + (-3.8)$ -15.2
4. $8\frac{2}{3} + (-1\frac{3}{5})$ $\frac{26}{3} - \frac{8}{5}$ $\frac{130}{15} - \frac{24}{15} = \frac{106}{15}$	5. $-\frac{4}{9} + 1\frac{4}{5}$ $-\frac{4}{9} + \frac{9}{5}$ $-\frac{20}{45} + \frac{81}{45} = \frac{61}{45}$	6. $-7\frac{1}{12} + (-13\frac{7}{8})$ $-\frac{85}{12} - \frac{111}{8}$ $-\frac{170}{24} - \frac{327}{24} = -\frac{503}{24}$
Describe and correct the error in finding the sum.		
7. $17 + (-31) = -48$  Added the numbers and made it negative. If you add two numbers and one is negative it is subtraction.		

$$17 - 31 = -14$$

Find the difference.		
8. $13 - (-5)$ 18	9. $-11 + (-3)$ -8	10. $-35.9 + (-50)$ -85.9
11. $-3.6 - 22.2$ -25.8	12. $\frac{1}{2} - \frac{5}{6}$ $\frac{3}{6} - \frac{5}{6} = -\frac{2}{6} = -\frac{1}{3}$	13. $\frac{1}{2} + (-\frac{1}{4})$ $\frac{2}{4} - \frac{1}{4} = \frac{1}{4}$
Describe and correct the error in evaluating the expression when $x = 3$ and $y = -8$		
14. $x - y + 2 = 3 - 8 + 2$ $= 3 + (-8) + 2$ $= -5 + 2$ $= -3$  $y = -8$ so when you put it into the expression you get a negative negative 8.		
$3 - -8 + 2$ $3 + 8 + 2$ $11 + 2$ 13		
Evaluate the expression when $x = 7.1$ and $y = -2.5$		
15. $x + (-6) + y$ $7.1 + 6 + -2.5$ $7.1 + 6 - 2.5$ $13.1 - 2.5$ 10.6	16. $-y - (1.9 - x)$ $-(-2.5) - (1.9 - 7.1)$ $2.5 - 5.2$ -2.7	