Name: _____   Period: _____

Homework 5-4
Adding & Subtracting Fractions
(Different Denominators)   **Unit 5**

Review. Simplify by distributing and combining like terms.

1. $5(2x+4)-5x$

2. $3(2y+9)-2y$

Find each sum or difference. If you need to get common denominators, make sure you show your work. All answers need to be reduced.

3. $\dfrac{3}{10}-\dfrac{2}{5}$

7. $-\dfrac{7}{1}-\dfrac{2}{15}$

11. $1\dfrac{2}{3}+1\dfrac{2}{5}$

4. $\dfrac{6}{9}+\dfrac{1}{2}$

8. $1\dfrac{1}{3}+3\dfrac{1}{3}$

12. $\dfrac{5}{9}+\dfrac{-5}{4}$

5. $\dfrac{6}{3}+\dfrac{-2}{11}$

9. $\dfrac{4}{9}-\dfrac{2}{3}$

13. $\dfrac{3}{5}-\dfrac{1}{8}$

6. $2\dfrac{1}{5}+3\dfrac{1}{6}$

10. $\dfrac{1}{5}+\dfrac{3}{4}$

14. $5\dfrac{2}{3}-1\dfrac{5}{6}$

Place the correct symbol (=, <, >) in the box to make the statement true.

15. $\dfrac{4}{5} + \dfrac{2}{8}$ ☐ $\dfrac{5}{4} - \dfrac{2}{3}$

16. $\dfrac{7}{11} - \dfrac{2}{5}$ ☐ $\dfrac{3}{2} + \dfrac{1}{4}$

17. From January 1 to March 14, Earth completes about $\dfrac{1}{5}$ of its orbit, while Venus completes about $\dfrac{1}{3}$ of its orbit. How much more of its orbit does Venus complete than Earth?

18. Tucker ran $5\dfrac{3}{8}$ miles on Monday and $3\dfrac{3}{4}$ miles on Tuesday. How far did he run on both days?