Date: _____ Grade: _____

SECTION QUIZ 6-2



Remember:
Score an 85% or higher on all three quizzes and you may be exempt from the chapter test!



Congratulations! You have completed this section!
Answer the following questions to test your understanding of the material. When you are finished, hand in your quiz to your teacher. Each answer is worth 3.3 points.

Determine the following quotients using long division. Show your work and write your answers on the blanks.

1. $612 \div 6 =$ _____

2. $2{,}846 \div 2 =$ _____

3. $(3x + 6) \div 3 =$ _____

4. $(4x + 23) \div 4 =$ _____

5. $(2x^2 + 6x + 9) \div 2 =$ _____

6. $(5x^2 + 35x + 3) \div 5x =$ _____

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7. $(5x^3 + 15x^2 + 25x + 12) \div 5x$

Perform the following calculations.

8. $\frac{1}{14} + \frac{12}{14} =$ _____

9. $\frac{13}{16} - \frac{5}{16} =$ _____

10. $\frac{2}{5} \bullet \frac{4}{7} =$ _____

11. $\frac{9}{12} \div \frac{4}{12} =$ _____

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Simplify the following complex fractions.

12. $\dfrac{\frac{1}{5}}{2} =$ _____

13. $\dfrac{5}{\frac{1}{4}} =$ _____

14. $\dfrac{\frac{5}{1}}{\frac{3}{5}} =$ _____

(a) $^{25}/_{3}$ (b) $^{3}/_{25}$ (c) 3 (d) $8^{1}/_{3}$ (e) a or d (f) none of these

Perform the indicated operations.

15. $\dfrac{x}{15} + \dfrac{7}{15} =$ _____

16. $\dfrac{x}{25} - \dfrac{10}{25} =$ _____

17. $\dfrac{3}{5} \bullet \dfrac{x}{4} =$ _____

18. $\dfrac{x}{14} \div \dfrac{1}{3} =$ _____

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Simplify the following complex fractions (19-21).

19. $\dfrac{\frac{3}{5}}{x} =$ _____

20. $\dfrac{x}{\frac{3}{9}} =$ _____

21. $\dfrac{\frac{3}{2}}{\frac{8}{x}} =$ _____

22. Add and simplify the following fraction. Show your work.

$\dfrac{3(x+1)}{4} + \dfrac{2(x-1)}{4} =$ _____

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Simplify the following algebraic expressions containing complex fractions. Show your work.

23. $\dfrac{\dfrac{2(x+3)}{5}}{x} =$ _____

24. $\dfrac{x}{\dfrac{5(x-2)}{4}} =$ _____

25. $\dfrac{\dfrac{3(x-1)}{2(x+2)}}{\dfrac{2(x+1)}{7(x+2)}+} =$ _____

(a) $\dfrac{21}{4(x+1)}$ (b) $\dfrac{4(x+1)}{21(x-1)}$ (c) $\dfrac{21(x-1)}{4(x+1)}$ (d) $\dfrac{21(x+1)}{4(x-1)}$

Match the following Life Principles.

26. _____ *"We function in a manner*

27. _____ *"Being truthful when you know it will cost you*

28. _____ *"The memories of tomorrow*

29. _____ *"All time spent angry*

30. _____ *"Life is a journey.*

(a) *is time lost being happy."*

(b) *It is best to plan where you are going."*

(c) *consistent with our character."*

(d) *is the true test of honesty."*

(e) *depend on your attitude today."*

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