



HOLY SPIRIT

PREPARATORY SCHOOL

Rising 7th Grade Accelerated

Summer Assignments

Academic Year – 2023-2024

Course Information

Department: STEM: Middle School Mathematics

Class Description: 7th Grade Accelerated Math

Contact: Mrs. Turmel sturmel@holyspiritprep.org for any questions

Summer Assignment

Learning objectives

- Practice integer, fraction and decimal skills with addition, subtraction, multiplication, and division.
- Utilize slope-intercept form.

Estimate time of completion

2-3 hours

Details of Assignment

1. Complete the attached problem set. NO CALCULATOR may be used. Please attach work shown with each problem neatly labeled. Write your final answer to each problem on the summer work sheet, next to the problem itself.

Evaluate each expression.

1) $6 - 4$

2) $3 - (-1)$

3) $1 - 1$

4) $(-4) - (-8)$

Find each product.

5) -2×9

6) -10×8

7) -2×3

8) 10×-1

Find each quotient.

9) $7 \div -7$

10) $-14 \div 2$

11) $15 \div -5$

12) $-32 \div 8$

Evaluate each expression.

13) $5 + 2 - 3$

14) $4 + 6 \div 2$

15) $5 + 3 \times 5$

16) $(2 - 1)^2$

17) $6 + 3 + 6$

18) $1 + 6 - 2$

Simplify each expression.

19) $10 - 5k - 9k + 2$

20) $3x - 4 + 5x$

Simplify each. Write your answer as a mixed number when possible.

21) $1\frac{4}{12}$

22) $\frac{36}{30}$

23) $5\frac{12}{30}$

24) $3\frac{12}{84}$

Evaluate each expression.

25) $-\frac{11}{7} - \frac{5}{4}$

26) $-\frac{1}{6} - \frac{3}{4}$

27) $\frac{9}{5} - \frac{7}{5}$

28) $\frac{3}{8} + \frac{13}{8}$

29) $(-8) - \left(-1\frac{1}{2}\right)$

30) $3\frac{3}{8} + 2\frac{3}{8}$

Find each product.

31) $-2 \times \frac{3}{2}$

32) $\frac{4}{5} \times -\frac{3}{2}$

33) $-2\frac{4}{5} \times 5\frac{3}{10}$

34) $5\frac{1}{10} \times \frac{1}{5}$

Find each quotient.

35) $\frac{9}{10} \div \frac{17}{10}$

36) $\frac{-1}{7} \div \frac{1}{5}$

Write each as a numeral.

37) four hundred and eighty-one hundredths

38) seven hundred and two hundredths

39) three hundred and four tenths

40) eight hundred and six tenths

Round each to the place indicated.

41) 8.02; tenths

42) 6.71; tenths

43) 32,259,748.6; ten thousands

44) 7,730,806; millions

Evaluate each expression.

45) $3.6 - 3.2$

46) $(-6.15) - (-4.3)$

47) $1.2 + (-2.5)$

48) $6.7 + 6.4$

Find each product.

49) -6.6×1.9

50) 0.8×9.4

51) -4.7×7.36

52) 2.5×0.2

Find each quotient.

53) $0.6 \div -0.8$

54) $4.3 \div 4.3$

Write each as a decimal. Round to the hundredths place.

55) 11%

56) 7%

Find the LCM of each.

57) 21, 24

58) 20, 30

59) 33, 17

60) 21, 35

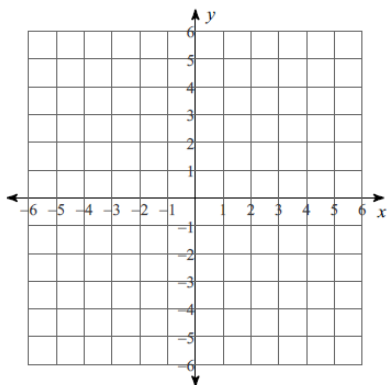
Find the GCF of each.

61) 24, 36

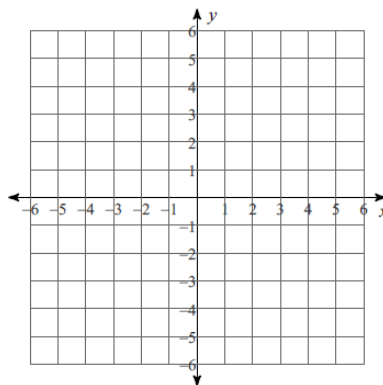
62) 44, 20

Sketch the graph of each line.

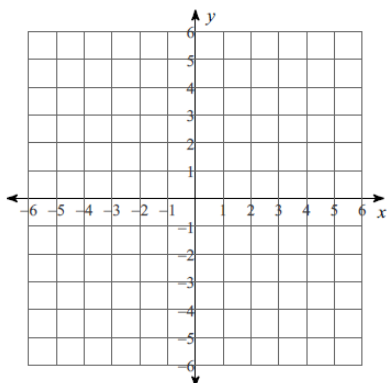
63) $y = x$



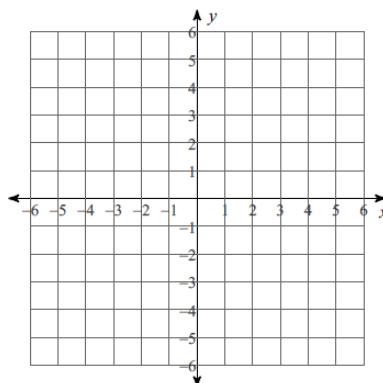
64) $y = \frac{1}{4}x + 2$



65) $y = -\frac{3}{2}x + 4$

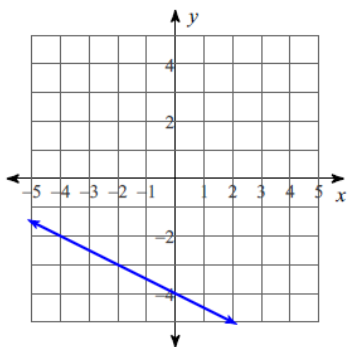


66) $y = \frac{9}{5}x + 5$

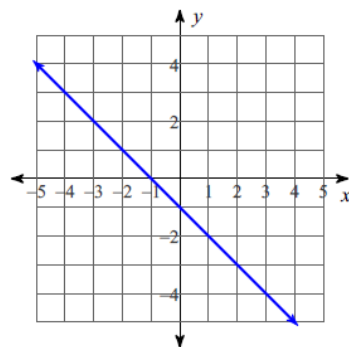


Write the slope-intercept form of the equation of each line.

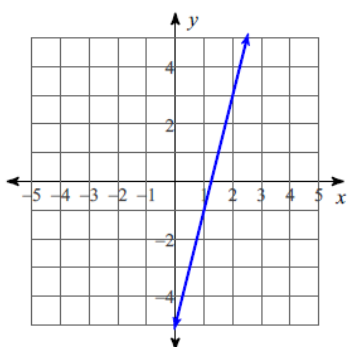
67)



68)



69)



70)

