

Review

Evaluate each expression.

1) $\frac{10}{7} - 1\frac{1}{8}$

2) $(-4) - 3\frac{1}{2}$

3) $\left(-\frac{4}{3}\right) - \left(-\frac{2}{3}\right)$

4) $\left(-\frac{6}{7}\right) + \frac{1}{2}$

Find each product.

5) $-1\frac{1}{3} \times 2\frac{3}{10}$

6) $5\frac{4}{7} \times -1\frac{7}{9}$

Find each quotient.

7) $-2\frac{2}{7} \div 9\frac{2}{3}$

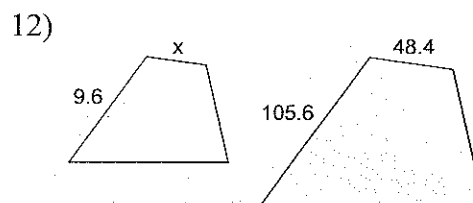
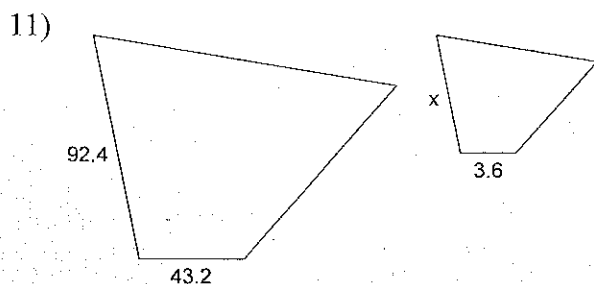
8) $-3\frac{4}{5} \div 2\frac{1}{3}$

Solve each proportion.

9) $\frac{1.4}{n} = \frac{8.6}{4.9}$

10) $\frac{7.1}{2.8} = \frac{8.9}{k}$

Each pair of figures is similar. Find the missing side.



Answer each question and round your answer to the nearest tenth.

- 13) A particular statue is 10 ft wide. A model of it was built with a scale of 1 in : 5 ft. How wide is the model?

- 14) A map has a scale of 1 cm : 12.6 km. If Oak Grove and Rivertown are 46.6 km apart, then they are how far apart on the map?

Answer each question. Round your answer to the nearest tenth. Round dollar amounts to the nearest cent.

- 15) The currency in Saudi Arabia is the Riyal. The exchange rate is approximately 3.7 Riyals for every \$1. At this rate, how many Riyals would you get if you exchanged \$3.70?

- 16) The currency in the United Arab Emirates is the Dirham. The exchange rate is approximately 3.7 Dirhams for \$1. At this rate, how many dollars would you get if you exchanged 17 Dirhams?

Linear, Proportional, Neither or both?

17) $y = -\frac{5}{2}x - 2$

18) $y = -x$

19) $y = 5x$

20) $y = -\frac{3}{2}x - 5$

Solve each equation.

21) $16 = -2n$

22) $11 + b = 2$

23) $\frac{p}{5} = -4$

24) $b - 12 = -5$

25) If the weight of a package is multiplied by $\frac{5}{8}$ the result is 32 pounds. Find the weight of the package.

26) At a restaurant, Maria and her three friends decided to divide the bill evenly. If each person paid \$11.51, then what was the total bill?

Solve each equation.

27) $66 = -10p + 6$

28) $10 + \frac{b}{10} = 11$

29) Ashley sold half of her comic books and then bought eighteen more. She now has 40. With how many did she begin?

30) Trevon bought eight CDs. A week later half of all his CDs were destroyed in a fire. There are now only 14 CDs left. With how many did he start?

Solve each equation.

31) $1 + 5r - 3 = -17$

32) $b + 4 - 4 = 5$

33) $-96 = 8(-4n + 8)$

34) $192 = -6(-4 + 7x)$

Evaluate each expression.

35) $2 - 8$

36) $(-1) - (-4)$

37) $(-8) - 3$

38) $(-8) + 4$

39) $5 + (-5)$

40) $(-4) + 8$

41) $(-2) - 5 + (-5)$

42) $(-5) + (-5) + 8$

Find each product.

43) $-2 \cdot -10$

44) $-8 \cdot -3$

45) $-5 \cdot -6$

46) $-4 \cdot -10$

47) $2 \cdot -5 \cdot -3$

48) $5 \cdot -4 \cdot 9$

Find each quotient.

49) $15 \div -3$

50) $-20 \div -10$

51) $-28 \div 4$

52) $12 \div -6$

53) $-3 \div 3$

54) $-64 \div 8$

Fractions #1

Date _____ Hour _____

Find each sum.

1) $2 + \left(-1\frac{1}{4}\right)$

2) $3\frac{2}{3} + \left(-\frac{1}{8}\right)$

3) $\left(-\frac{2}{3}\right) + \left(-\frac{2}{7}\right)$

4) $\frac{5}{3} + \left(-\frac{3}{8}\right)$

Find each difference.

5) $4\frac{1}{2} - 1\frac{3}{5}$

6) $(-6) - 3\frac{3}{7}$

7) $4\frac{1}{2} - \left(-2\frac{7}{8}\right)$

8) $\left(-5\frac{1}{2}\right) - \left(-\frac{3}{2}\right)$

Find each product.

9) $-2\frac{3}{10} \cdot 1\frac{1}{10}$

10) $2\frac{1}{6} \cdot -3\frac{9}{10}$

11) $\frac{2}{9} \cdot -\frac{5}{3}$

12) $-\frac{1}{4} \cdot \frac{1}{9}$

Find each quotient.

13) $-10 \div 5\frac{7}{8}$

14) $\frac{2}{7} \div -3\frac{5}{8}$

15) $-1\frac{2}{5} \div 9$

16) $-2\frac{2}{9} \div 3\frac{7}{9}$

8th grade

Name _____

Solving Equations #1

Date _____ Hour _____

Solve each equation.

1) $-9 = n + 6$

2) $m - 19 = -5$

3) $n + 11 = -4$

4) $r - 2 = 8$

5) $x - 14 = -17$

6) $8 = x + 10$

7) $\frac{x}{3} = -20$

8) $-6b = -78$

9) $\frac{v}{14} = -7$

10) $\frac{n}{5} = -11$

11) $132 = 11a$

12) $-10k = -90$

13) $\frac{9+v}{6} = 2$

14) $-3 = -2 + \frac{x}{8}$

15) $-20 = 2r + 8$

16) $9 + \frac{v}{3} = 7$

17) $-53 = 7 + 10n$

18) $-132 = -8v - 4$

19) $9 + 2n = 47$

20) $104 = -9x - 4$

21) $-8 = -9 + \frac{m}{8}$

22) $-144 = -9 - 9x$

Fractions #2

Date _____ Hour _____

Find each sum.

1) $\left(-\frac{2}{7}\right) + \left(-2\frac{2}{5}\right)$

2) $\left(-2\frac{1}{5}\right) + \left(-2\frac{1}{6}\right)$

3) $\left(-\frac{8}{5}\right) + \frac{4}{3}$

4) $\frac{7}{4} + \left(-\frac{1}{6}\right)$

Find each difference.

5) $4\frac{3}{5} - \left(-1\frac{1}{3}\right)$

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

7) $\left(-\frac{1}{3}\right) - \left(-3\frac{2}{7}\right)$

8) $\frac{3}{2} - \left(-\frac{1}{2}\right)$

Find each product.

9) $-1\frac{1}{3} \cdot 1\frac{3}{7}$

10) $-\frac{13}{8} \cdot -\frac{10}{7}$

11) $\frac{9}{8} \cdot -\frac{3}{7}$

12) $-2\frac{1}{4} \cdot \frac{8}{9}$

Find each quotient.

13) $4\frac{3}{5} \div -2\frac{1}{8}$

14) $1\frac{5}{6} \div 4\frac{2}{3}$

15) $\frac{-1}{4} \div \frac{-5}{3}$

16) $\frac{-3}{4} \div \frac{7}{8}$

8th grade

Name _____

Solving Equations #2

Date _____ Hour _____

Solve each equation.

1) $31 = x + 13$

2) $a - 10 = -4$

3) $-18 = x + 1$

4) $n - 11 = 8$

5) $v + 19 = 13$

6) $n - 7 = -1$

7) $\frac{r}{9} = -17$

8) $-165 = 15p$

9) $5 = \frac{m}{12}$

10) $3x = 51$

11) $4 = \frac{k}{5}$

12) $-17n = -85$

13) $\frac{n}{16} - 8 = -7$

14) $-5 - 3k = 46$

15) $\frac{b}{3} - 9 = -12$

16) $-42 = 4x + 10$

17) $9 + 4a = -11$

18) $8 = 6 + \frac{v}{4}$

19) $8 + \frac{a}{5} = 10$

20) $-7 = \frac{n}{2} - 9$

Graphing on a Coordinate Plane #1

Points in **bold** type are to be shaded in.

A	B	C	D
(11,8)	(17,-8)	(3,-9)	(-10,2)
(12,8)	(17,-11)	(1,-8)	(-6,3)
(12,7)	(18,-12)	(-2,-8)	(1,3)
(11,6)	(16,-11)	(-5,-6)	(5,2)
(-4,6)	(16,-12)	(-6,-7)	(8,0)
(-7,7)	(15,-11)	(-6,-9)	Line Ends
(-7,9)	(14,-12)	(-5,-10)	(7,-1)
(-6,9)	(14,-9)	(-7,-9)	(8,0)
(-5,8)	(13,-9)	(-7,-10)	(8,4)
(2,8)	(10,-11)	(-8,-9)	(6,5)
(4,9)	(8,-11)	(-9,-10)	(-4,5)
(6,12)	(6,-10)	(-9,-4)	(-6,6)
(6,13)	Line Ends	(-7,-2)	(-6,6½)
(8,13)	(7,-9)	Line Ends	Line Ends
(8,12)	(6,-9)	(-9,4)	(7,11)
(9,12)	(6,-10)	(-11,-3)	(8,10)
(9,13)	(7,-12)	(-13,-4)	(7,9)
(11,13)	(5,-11)	(-14,-7)	(6,10)
(13,11)	(5,-12)	(-12,-10)	(7,11)
(14,10)	(4,-11)	(-9,-12)	Line Ends
(16,9)	(3,-12)	(-12,-12)	(10,11)
(16,7)	(3,-7)	(-15,-11)	(11,10)
(13,4)	(7,-7)	(-17,-8)	(10,9)
(13,-7)	Line Ends	(-17,-4)	(9,10)
(16,-7)		(-14,0)	(10,11)