

Quiz 14 Practice

Date _____ Period _____

Solve each problem by setting up an equation. Convert percents to decimals. Use a calculator and round to the nearest tenth (one decimal place.)

Remember that 'of' means 'multiply' and 'is' means 'equals.' Use x for the unknown, or the 'what.'

- 1) What is 62% of 79?
- 2) What percent of 60 is 31?
- 3) 46% of 33 is what?
- 4) 49 is 49% of what?

Write each as a percent. Round to the nearest tenth of a percent.

- 5) 9.45
- 6) 0.313

Find the selling price of each item.

- 7) Original price of a computer game: \$49.99
Discount: 40%
- 8) Original price of a camera: \$750.00
Discount: 40%
- 9) Original price of a calendar: \$15.00
Discount: 35%
Tax: 4%
- 10) Original price of a bicycle: \$1,500.00
Discount: 40%
Tax: 3%

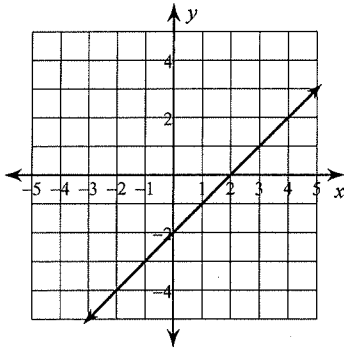
Write each as a percent. Use repeating decimals when necessary.

11) $\frac{3}{5}$

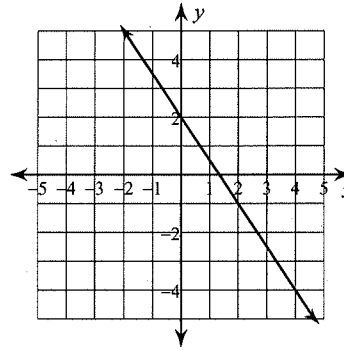
12) $\frac{2}{5}$

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

13)

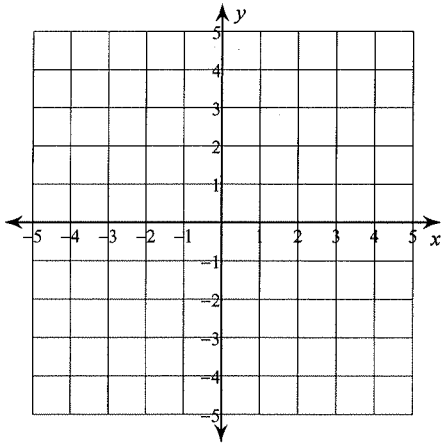


14)

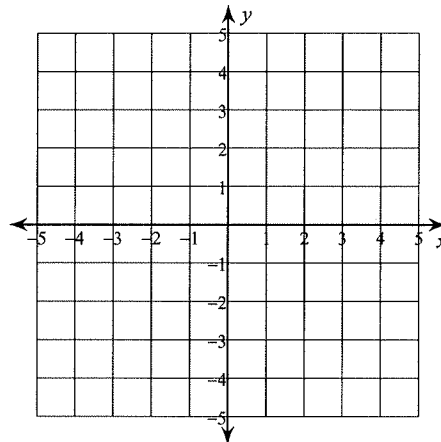


Solve each system by graphing.

15) $y = -x + 3$
 $y = \frac{1}{2}x - 3$



16) $-4x + y = -1$
 $x + y = 4$



Solve each proportion.

17) $\frac{v}{4} = \frac{v-4}{2}$

18) $\frac{2}{10} = \frac{n+10}{n+3}$

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Date _____ Period _____

Solve each problem by setting up an equation. Convert percents to decimals. Use a calculator and round to the nearest tenth (one decimal place.)

Remember that 'of' means 'multiply' and 'is' means 'equals.' Use x for the unknown, or the 'what.'

1) What is 62% of 79?

49

2) What percent of 60 is 31?

51.7%

3) 46% of 33 is what?

15.2

4) 49 is 49% of what?

100

Write each as a percent. Round to the nearest tenth of a percent.

5) 9.45

945%

6) 0.313

31.3%

Find the selling price of each item.

7) Original price of a computer game: \$49.99

Discount: 40%

\$29.99

8) Original price of a camera: \$750.00

Discount: 40%

\$450.00

9) Original price of a calendar: \$15.00

Discount: 35%

Tax: 4%

\$10.14

10) Original price of a bicycle: \$1,500.00

Discount: 40%

Tax: 3%

\$927.00

Write each as a percent. Use repeating decimals when necessary.

11) $\frac{3}{5}$

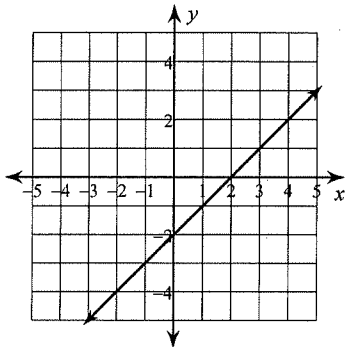
60%

12) $\frac{2}{5}$

40%

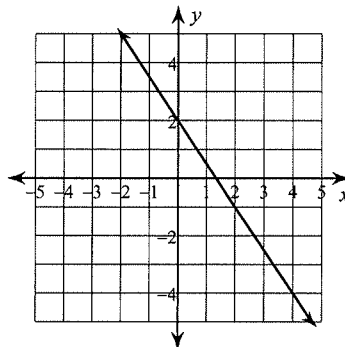
Write the slope-intercept form of the equation of each line.

13)



$y = x - 2$

14)

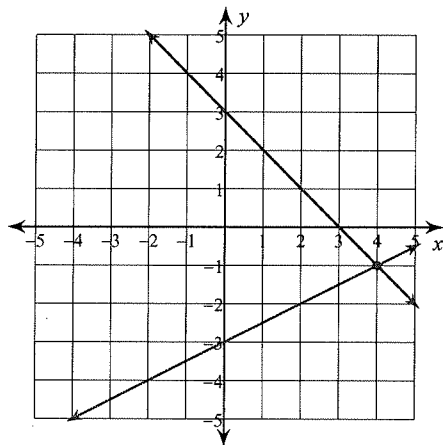


$y = -\frac{3}{2}x + 2$

Solve each system by graphing.

15) $y = -x + 3$

$y = \frac{1}{2}x - 3$

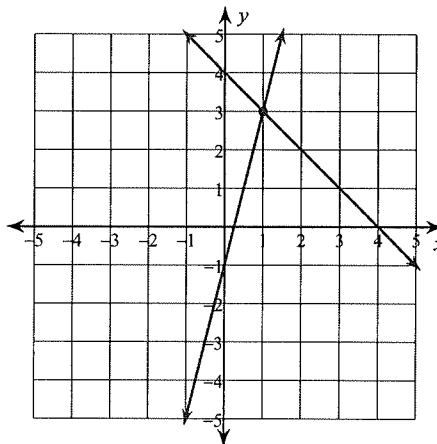


(4, -1)

(4, -1)

16) $-4x + y = -1$

$x + y = 4$



(1, 3)

Solve each proportion.

17) $\frac{v}{4} = \frac{v-4}{2}$

{8}

18) $\frac{2}{10} = \frac{n+10}{n+3}$

{-11.75}