A 3-gallon bottle of bleach costs \$9.84.
What is the price per pint?

Factor x⁴+10x²+25 completely.

Rathleen's retirement party costs \$26, plus an additional \$1 for each guest she invites. What is the maximum number of guests there can be if Kathleen can afford to spend a total of \$48 on her retirement party?

In a direct variation, y = 16 when x = 2.

Write a direct variation equation that shows the relationship between x and y.

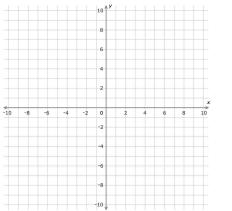
Graph this line using the slope and y-intercept:

Write your answer as an equation with y first, followed by an equals sign.

16 = 10 - 3c

 $y + \frac{1}{4}x + 6$

5



Solve for c.

What is the range of this function?

(-13, 20) (18, 20) (4, 11) Use the following function rule to find f(1).

$$f(x) = 10 - 10x$$

f(1) =

A Girl Scout troop recorded how many boxes of cookies they sold each day for a week.

According to the table, what was the rate of change between Tuesday and Wednesday?

_boxes per day

Boxes of Girl Scout Cookies Sold	
Day	Boxes of cookies
Monday	43
Tuesday	43
Wednesday	35
Thursday	39
Friday	42

What is the range?

-6 -4 -4 -1 -2 -5 -4 -4 -5 -2

A 3-gallon bottle of bleach costs \$9.84. What is the price per pint?

1 gallon = 8 pints

The bleach costs \$0.41 per pint.

Factor x⁴+10x²+25 completely.

 $(x^2+5)^2$

Rathleen's retirement party costs \$26, plus an additional \$1 for each guest she invites. What is the maximum number of guests there can be if Kathleen can afford to spend a total of \$48 on her retirement party?

22 guests

In a direct variation, y = 16 when x = 2.

Write a direct variation equation that shows the relationship between x and y.

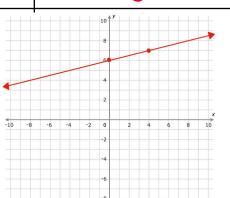
Write your answer as an equation with y first, followed by an equals sign.

The direct variation equation is y = 8x.

5

Graph this line using the slope and y-intercept:

$$y + \frac{1}{4}x + 6$$



6 Solve for c.

16 = 10 - 3c

c = -2

What is the range of this function?

(-13, 20) (18, 20) (4, 11)

To find the range, find the y-coordinates. The range is the set:

{20, 11}

Use the following function rule to find f(1).

f(x) = 10 - 10x

Plug x = 1 into the function and simplify.

f(1) = 0

A Girl Scout troop recorded how many boxes of cookies they sold each day for a week.

According to the table, what was the rate of change between Tuesday and Wednesday?

-8 boxes per day

Boxes of Girl Scout Cookies Sold

Day
Boxes of cookies

Monday
43

Tuesday
43

Wednesday
35

Thursday
49

Friday
42

What is the range?

-6 -4 -4 -1 -2 -5 -4 -4 -5 -2

The range is 5.