Parallel & Perpendicular Lines · 1

A line has the equation y = -4x - 6. What is the slope of a line perpendicular to it?

Parallel & Perpendicular Lines · 2

Are the lines y = 2x - 2 and y = -2x - 3 parallel, perpendicular, or neither?

Parallel & Perpendicular Lines · 3

Write an equation of the line that passes through (3, 5) and is parallel to y = 3x + 7.

Parallel & Perpendicular Lines · 4

A line has the equation y = x + 2. What is the slope of a line perpendicular to it?

Parallel & Perpendicular Lines · 5

Are the lines y = 5x - 5 and y = 5x - 7 parallel, perpendicular, or neither?

Parallel & Perpendicular Lines · 6

Write an equation of the line that passes through (-2, 4) and is parallel to y = -2x - 7.

Parallel & Perpendicular Lines · 7

A line has the equation y = -5x - 6. What is the slope of a line perpendicular to it?

Parallel & Perpendicular Lines · 8

Are the lines y = -2x - 2 and y = 2x - 4 parallel, perpendicular, or neither?

Parallel & Perpendicular Lines · 2

ANSWER

neither

Parallel & Perpendicular Lines · 1

ANSWER

$$\frac{1}{4}$$

Parallel & Perpendicular Lines · 4

ANSWER

-1

Parallel & Perpendicular Lines · 3

ANSWER

y = 3x - 4

Parallel & Perpendicular Lines · 6

ANSWER

y = -2x

Parallel & Perpendicular Lines · 5

ANSWER

parallel

Parallel & Perpendicular Lines · 8

ANSWER

neither

Parallel & Perpendicular Lines · 7

ANSWER

$$\frac{1}{5}$$

Parallel & Perpendicular Lines · 9

Write an equation of the line that passes through (-1, 2) and is parallel to y = -x - 3.

Parallel & Perpendicular Lines · 10

A line has the equation y = 5x + 6. What is the slope of a line parallel to it?

Parallel & Perpendicular Lines · 11

Are the lines y = -x + 7 and y = 2x + 5 parallel, perpendicular, or neither?

Parallel & Perpendicular Lines · 12

Write an equation of the line that passes through (-1, -2) and is parallel to y = -3x + 7.

Parallel & Perpendicular Lines · 13

A line has the equation y = 3x + 4. What is the slope of a line parallel to it?

Parallel & Perpendicular Lines · 14

Are the lines y = -5x + 2 and y = -1/5x - 1 parallel, perpendicular, or neither?

Parallel & Perpendicular Lines · 15

Write an equation of the line that passes through (-2, 5) and is parallel to y = -5x + 2.

Parallel & Perpendicular Lines · 16

A line has the equation y = 5x + 5. What is the slope of a line parallel to it?

Parallel & Perpendicular Lines · 10

ANSWER

5

Parallel & Perpendicular Lines · 9

ANSWER

y = -x + 1

Parallel & Perpendicular Lines · 12

ANSWER

y = -3x - 5

Parallel & Perpendicular Lines · 11

ANSWER

neither

Parallel & Perpendicular Lines · 14

ANSWER

neither

Parallel & Perpendicular Lines · 13

ANSWER

3

Parallel & Perpendicular Lines · 16

ANSWER

5

Parallel & Perpendicular Lines · 15

ANSWER

y = -5x - 5

Parallel & Perpendicular Lines · 17

Are the lines y = -4x - 2 and y = -4x - 6 parallel, perpendicular, or neither?

Parallel & Perpendicular Lines · 18

Write an equation of the line that passes through (-2, 2) and is parallel to y = -x - 6.

Parallel & Perpendicular Lines · 19

A line has the equation y = -3x + 6. What is the slope of a line parallel to it?

Parallel & Perpendicular Lines · 20

Are the lines y = 4x + 6 and y = 1/4x + 4 parallel, perpendicular, or neither?

Parallel & Perpendicular Lines · 21

Write an equation of the line that passes through (-2, -14) and is parallel to y = 4x - 3.

Parallel & Perpendicular Lines · 22

A line has the equation y = -4x + 3. What is the slope of a line perpendicular to it?

Parallel & Perpendicular Lines · 23

Are the lines y = 4x and y = 4x - 3 parallel, perpendicular, or neither?

Parallel & Perpendicular Lines · 24

Write an equation of the line that passes through (-2, -1) and is parallel to y = -2x + 4.

Parallel & Perpendicular Lines · 18

ANSWER

$y = -x$

Parallel & Perpendicular Lines · 17

ANSWER

parallel

Parallel & Perpendicular Lines · 20

ANSWER

neither

Parallel & Perpendicular Lines · 19

ANSWER

-3

Parallel & Perpendicular Lines · 22

ANSWER

$\frac{1}{4}$

Parallel & Perpendicular Lines · 21

ANSWER

$y = 4x - 6$

Parallel & Perpendicular Lines · 24

ANSWER

$y = -2x - 5$

Parallel & Perpendicular Lines · 23

ANSWER

parallel