Parallel & Perpendicular Lines · 1

Are the lines y = -1/2x + 1 and y = -1/2x - 3 parallel, perpendicular, or neither?

Parallel & Perpendicular Lines · 2

Write an equation of the line that passes through (2, 0) and is parallel to y = 1/2x + 7.

Parallel & Perpendicular Lines · 3

Write an equation of the line that passes through (-3, 8) and is perpendicular to y = x + 3.

Parallel & Perpendicular Lines · 4

Are the lines y = x and y = x - 1 parallel, perpendicular, or neither?

Parallel & Perpendicular Lines · 5

Write an equation of the line that passes through (0, -2) and is parallel to y = 1/2x - 3.

Parallel & Perpendicular Lines · 6

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

Parallel & Perpendicular Lines · 7

Are the lines y = -2x - 6 and y = 1/2x - 12 parallel, perpendicular, or neither?

Parallel & Perpendicular Lines · 8

Write an equation of the line that passes through (9, -5) and is parallel to y = -1/3x + 7.

Parallel & Perpendicular Lines · 2

ANSWER

y = 1/2x - 1

Parallel & Perpendicular Lines · 1

ANSWER

parallel

Parallel & Perpendicular Lines · 4

ANSWER

parallel

Parallel & Perpendicular Lines · 3

ANSWER

y = -x + 5

Parallel & Perpendicular Lines · 6

ANSWER

y = 1/2x + 4

Parallel & Perpendicular Lines · 5

ANSWER

y = 1/2x - 2

Parallel & Perpendicular Lines · 8

ANSWER

y = -1/3x - 2

Parallel & Perpendicular Lines · 7

ANSWER

perpendicular

Parallel & Perpendicular Lines · 9

Write an equation of the line that passes through (-3, -3) and is perpendicular to y = -1/3x - 4.

Parallel & Perpendicular Lines · 10

Are the lines y = -4x + 3 and y = -4x + 9 parallel, perpendicular, or neither?

Parallel & Perpendicular Lines · 11

Write an equation of the line that passes through (-2, -13) and is parallel to y = 4x + 6.

Parallel & Perpendicular Lines · 12

Write an equation of the line that passes through (-2, 11) and is perpendicular to y = 1/3x + 6.

Parallel & Perpendicular Lines · 13

Are the lines y = -5/2x + 6 and 2x + 5y = 5 parallel, perpendicular, or neither?

Parallel & Perpendicular Lines · 14

Write an equation of the line that passes through (4, 7) and is parallel to y = 1/2x + 4.

Parallel & Perpendicular Lines · 15

Write an equation of the line that passes through (-1, 0) and is perpendicular to y = -1/3x - 2.

Parallel & Perpendicular Lines · 16

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

Parallel & Perpendicular Lines · 10

ANSWER

parallel

Parallel & Perpendicular Lines · 9

ANSWER

y = 3x + 6

Parallel & Perpendicular Lines · 12

ANSWER

y = -3x + 5

Parallel & Perpendicular Lines · 11

ANSWER

y = 4x - 5

Parallel & Perpendicular Lines · 14

ANSWER

y = 1/2x + 5

Parallel & Perpendicular Lines · 13

ANSWER

neither

Parallel & Perpendicular Lines · 16

ANSWER

perpendicular

Parallel & Perpendicular Lines · 15

ANSWER

y = 3x + 3

Parallel & Perpendicular Lines · 17

Write an equation of the line that passes through (-6, -3) and is parallel to y = 1/2x - 1.

Parallel & Perpendicular Lines · 18

Write an equation of the line that passes through (10, -7) and is perpendicular to y = 5/2x + 3.

Parallel & Perpendicular Lines · 19

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

Parallel & Perpendicular Lines · 20

Write an equation of the line that passes through (-6, 5) and is parallel to y = -2/3x - 1.

Parallel & Perpendicular Lines · 21

Write an equation of the line that passes through (-4, -3) and is perpendicular to y = -2/3x - 6.

Parallel & Perpendicular Lines · 22

Are the lines y = -5x - 6 and y = 5x - 11 parallel, perpendicular, or neither?

Parallel & Perpendicular Lines · 23

Write an equation of the line that passes through (1, 7) and is parallel to y = x - 5.

Parallel & Perpendicular Lines · 24

Write an equation of the line that passes through (0, -5) and is perpendicular to y = -x + 7.

Parallel & Perpendicular Lines · 18

ANSWER

$y = -2/5x - 3$

Parallel & Perpendicular Lines · 17

ANSWER

$y = 1/2x$

Parallel & Perpendicular Lines · 20

ANSWER

$y = -2/3x + 1$

Parallel & Perpendicular Lines · 19

ANSWER

perpendicular

Parallel & Perpendicular Lines · 22

ANSWER

neither

Parallel & Perpendicular Lines · 21

ANSWER

$y = 3/2x + 3$

Parallel & Perpendicular Lines · 24

ANSWER

$y = x - 5$

Parallel & Perpendicular Lines · 23

ANSWER

$y = x + 6$