Parallel & Perpendicular Lines · 1

Are the lines y = 3x - 7 and 3x + y = -2 parallel, perpendicular, or neither?

Parallel & Perpendicular Lines · 2

Write an equation of the line that passes through (-4, -6) and is parallel to y = 5/2x - 3.

Parallel & Perpendicular Lines · 3

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

Parallel & Perpendicular Lines · 4

Are the lines y = -3x + 5 and x - 3y = -24 parallel, perpendicular, or neither?

Parallel & Perpendicular Lines · 5

Write an equation of the line that passes through (4, 1) and is parallel to y = -1/2x + 6.

Parallel & Perpendicular Lines · 6

Write an equation of the line that passes through (-6, 0) and is perpendicular to y = 3/2x - 2.

Parallel & Perpendicular Lines · 7

Are the lines y = 4x - 1 and 4x - y = -1 parallel, perpendicular, or neither?

Parallel & Perpendicular Lines · 8

Write an equation of the line that passes through (3, -17) and is parallel to y = -5x - 7.

Parallel & Perpendicular Lines · 2

ANSWER

$y = 5/2x + 4$

Parallel & Perpendicular Lines · 1

ANSWER

neither

Parallel & Perpendicular Lines · 4

ANSWER

perpendicular

Parallel & Perpendicular Lines · 3

ANSWER

$y = 3x - 5$

Parallel & Perpendicular Lines · 6

ANSWER

$y = -2/3x - 4$

Parallel & Perpendicular Lines · 5

ANSWER

$y = -1/2x + 3$

Parallel & Perpendicular Lines · 8

ANSWER

$y = -5x - 2$

Parallel & Perpendicular Lines · 7

ANSWER

parallel

Parallel & Perpendicular Lines · 9

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

Parallel & Perpendicular Lines · 10

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

Parallel & Perpendicular Lines · 11

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

Parallel & Perpendicular Lines · 12

Write an equation of the line that passes through (0, -6) and is perpendicular to y = 5x - 2.

Parallel & Perpendicular Lines · 13

Are the lines y = 4x + 5 and x + 4y = 24 parallel, perpendicular, or neither?

Parallel & Perpendicular Lines · 14

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

Parallel & Perpendicular Lines · 15

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

Parallel & Perpendicular Lines · 16

Are the lines y = -4/3x + 5 and 3x - 4y = -24 parallel, perpendicular, or neither?

Parallel & Perpendicular Lines · 10

ANSWER

parallel

Parallel & Perpendicular Lines · 9

ANSWER

y = -1/2x + 4

Parallel & Perpendicular Lines · 12

ANSWER

y = -1/5x - 6

Parallel & Perpendicular Lines · 11

ANSWER

y = 3x + 4

Parallel & Perpendicular Lines · 14

ANSWER

y = 1/2x

Parallel & Perpendicular Lines · 13

ANSWER

perpendicular

Parallel & Perpendicular Lines · 16

ANSWER

perpendicular

Parallel & Perpendicular Lines · 15

ANSWER

y = -3/5x + 6

Parallel & Perpendicular Lines · 17

Write an equation of the line that passes through (3, -19) and is parallel to y = -5x - 3.

Parallel & Perpendicular Lines · 18

Write an equation of the line that passes through (-2, -7) and is perpendicular to y = -1/3x - 5.

Parallel & Perpendicular Lines · 19

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

Parallel & Perpendicular Lines · 20

Write an equation of the line that passes through (6, -4) and is parallel to y = -1/3x + 7.

Parallel & Perpendicular Lines · 21

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

Parallel & Perpendicular Lines · 22

Are the lines y = 5x - 6 and 5x - y = 10 parallel, perpendicular, or neither?

Parallel & Perpendicular Lines · 23

Write an equation of the line that passes through (3, 0) and is parallel to y = 2x - 5.

Parallel & Perpendicular Lines · 24

Write an equation of the line that passes through (-10, -4) and is perpendicular to y = 5x + 5.

Parallel & Perpendicular Lines · 18

ANSWER

$y = 3x - 1$

Parallel & Perpendicular Lines · 17

ANSWER

$y = -5x - 4$

Parallel & Perpendicular Lines · 20

ANSWER

$y = -1/3x - 2$

Parallel & Perpendicular Lines · 19

ANSWER

perpendicular

Parallel & Perpendicular Lines · 22

ANSWER

parallel

Parallel & Perpendicular Lines · 21

ANSWER

$y = x + 5$

Parallel & Perpendicular Lines · 24

ANSWER

$y = -1/5x - 6$

Parallel & Perpendicular Lines · 23

ANSWER

$y = 2x - 6$