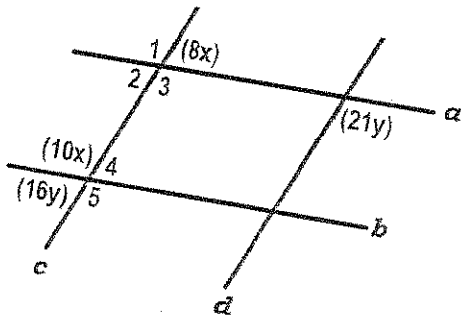


Geometry – Practice What You Know

1. Lines a and b are parallel. Using the figure below:
 - a. Solve for x .
 - b. Solve for y .
 - c. Find the measures of angles 1-5.

Based on this information, are lines c and d parallel? In complete sentences, explain why or why not.



Match Equations to the x y data chart

Equations

Table

Perpendicular

Parallel

$y = 1/2x + 2$
$y = -3x + 1$
$y = 4x + 7$
$y = -3/2x - 1$
$y = -4x - 2$
$y = 2x - 5$
$y = -x + 1$
$y = x + 2$
$y = 3x - 3$
$y = -x - 1$

Table 1

Table 2

Table 3

Table 4

<i>X</i>	<i>Y</i>
-9	12.5
-3	3.5
-1	0.5
2	-4

<i>X</i>	<i>Y</i>
-9	34
-3	10
-1	2
2	-10

<i>X</i>	<i>Y</i>
-9	-29
-3	-5
-1	3
2	15

<i>X</i>	<i>Y</i>
-4	-13
1	-3
8	11
12	19

Table 5

X	Y
-10	7
-4	4
12	-4
14	-5

Table 6

X	Y
6	-17
10	-29
-7	22
-3	10

Table 7

X	Y
-4	-2
-1	1
2	4
7	9

Table 8

X	Y
6	-5
12	-11
16	-15
-4	5

Table 9

X	Y
8	25
2	7
-4	-11
-2	-5

Table 10

X	Y
-7	6
-1	0
9	-10
14	-15

Table 11

X	Y
-4	0
-6	-1
6	5
12	8

Table 12

X	Y
2	3
4	9
8	21
-7	-24