

Name

Date



FINDING LINEAR EQUATIONS THAT ARE PARALLEL SHEET 2

- Find the gradient of the linear equation and then work out the new linear equation which is parallel to the one shown and goes through the given coordinate.

	Linear Equation	Going through Point:	Gradient	Linear Equation
	$y = 5 - 3x$	$(2, 4)$	-3	$y = 10 - 3x$
1)	$y = 7x - 12$	$(-1, 2)$		
2)	$y = 12 - 5x$	$(-2, 1)$		
3)	$y = \frac{1}{2}x + 2$	$(8, 9)$		
4)	$y = 1 - \frac{1}{3}x$	$(6, -2)$		
5)	$y = 2(x + 3)$	$(8, 11)$		
6)	$y = 4(2x + 1)$	$(-3, -15)$		
7)	$y = 3(7 - x)$	$(-2, 12)$		
8)	$4x + y - 8 = 0$	$(6, -4)$		
9)	$9x - y + 5 = 0$	$(3, 15)$		
10)	$6x + 3y - 12 = 0$	$(-1, -6)$		
11)	$6 - 3y + 9x = 0$	$(7, 10)$		

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	Linear Equation	Going through Point:	Gradient	Linear Equation
1)	$y = 7x - 12$	$(-1, 2)$	7	$y = 7x + 9$
2)	$y = 12 - 5x$	$(-2, 1)$	-5	$y = -5x - 9$
3)	$y = \frac{1}{2}x + 2$	$(8, 9)$	$\frac{3}{4}$	$y = \frac{1}{2}x + 5$
4)	$y = 1 - \frac{1}{3}x$	$(6, -2)$	$-\frac{1}{3}$	$y = -\frac{1}{3}x$
5)	$y = 2(x + 3)$	$(8, 11)$	2	$y = 2x - 5$
6)	$y = 4(2x + 1)$	$(-3, -15)$	8	$y = 8x + 9$
7)	$y = 3(7 - x)$	$(-2, 12)$	-3	$y = 6 - 3x$
8)	$4x + y - 8 = 0$	$(6, -4)$	-4	$y = 20 - 4x$
9)	$9x - y + 5 = 0$	$(3, 15)$	9	$y = 9x - 12$
10)	$6x + 3y - 12 = 0$	$(-1, -6)$	-2	$y = -2x - 8$
11)	$6 - 3y + 9x = 0$	$(7, 10)$	3	$y = 3x - 11$