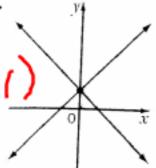


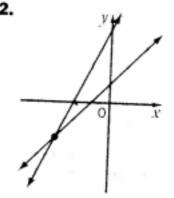
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Find the coordinates of the point of intersection for each pair of lines.







0

-1

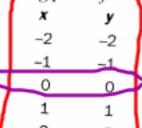
-2

2

X

What is the point of intersection for each of the

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	3.
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			,
4.	x	y	
	2	1	
	1	0	
	0	-1	
	-1	-2	
	-2	-3	

5. Write an equation for the line represented by each table of values in questions 3 and 4.

Find the coordinates of the point of intersection of each pair of lines.

Applications and Problem Solving

17. a) Graph the lines y = 2x + 4 and y = x - 4on the same set of axes.

b) What figure is formed by these lines and the x-axis?

18. Truck rentals Two companies rent trucks. Company A charges \$80.00 for the truck, plus \$0.20/km. Company B charges \$0.60/km.

a) Write an equation for each company's rental cost in terms of the distance driven.

b) Graph both equations on the same set of axes. If you graph manually, use the following numbers of kilometres in your tables of values: 50, 100, 150, 200, 250, 300.

c) Find the coordinates of the point of intersection.

(d) Explain the meaning of the point of intersection.

 Which company is cheaper if you drive 150 km? 250 km?

19. Highway driving At 12:30, Kenji left town driving at 80 km/h. At 13:00, Yvette left town along the same highway driving at 100 km/h.

a) Construct a table of distance and time values for each driver.

b) Plot both graphs on the same grid.

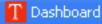
c) At what time did Yvette catch up with Kenji?

d) How far had they travelled?

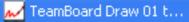
20. a) Graph all 3 lines on the same grid or in the companional -















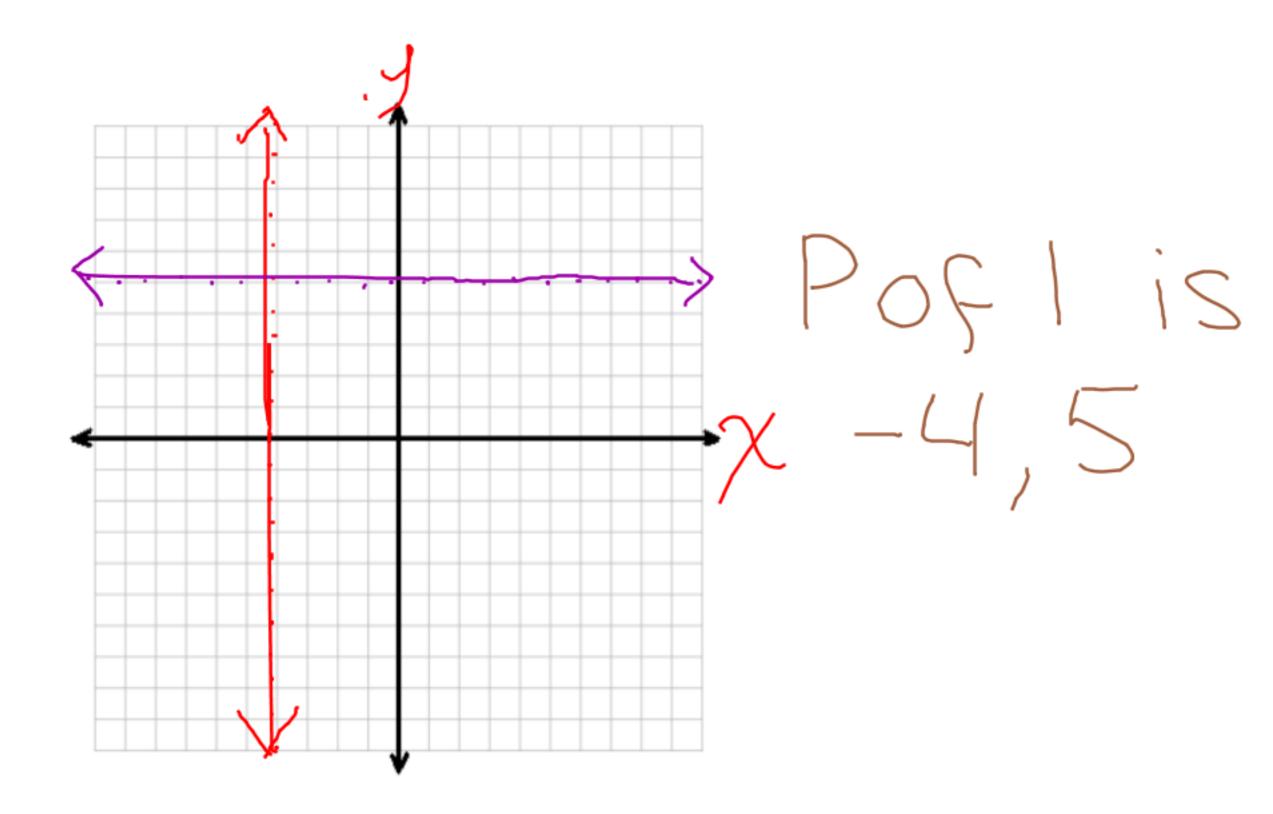


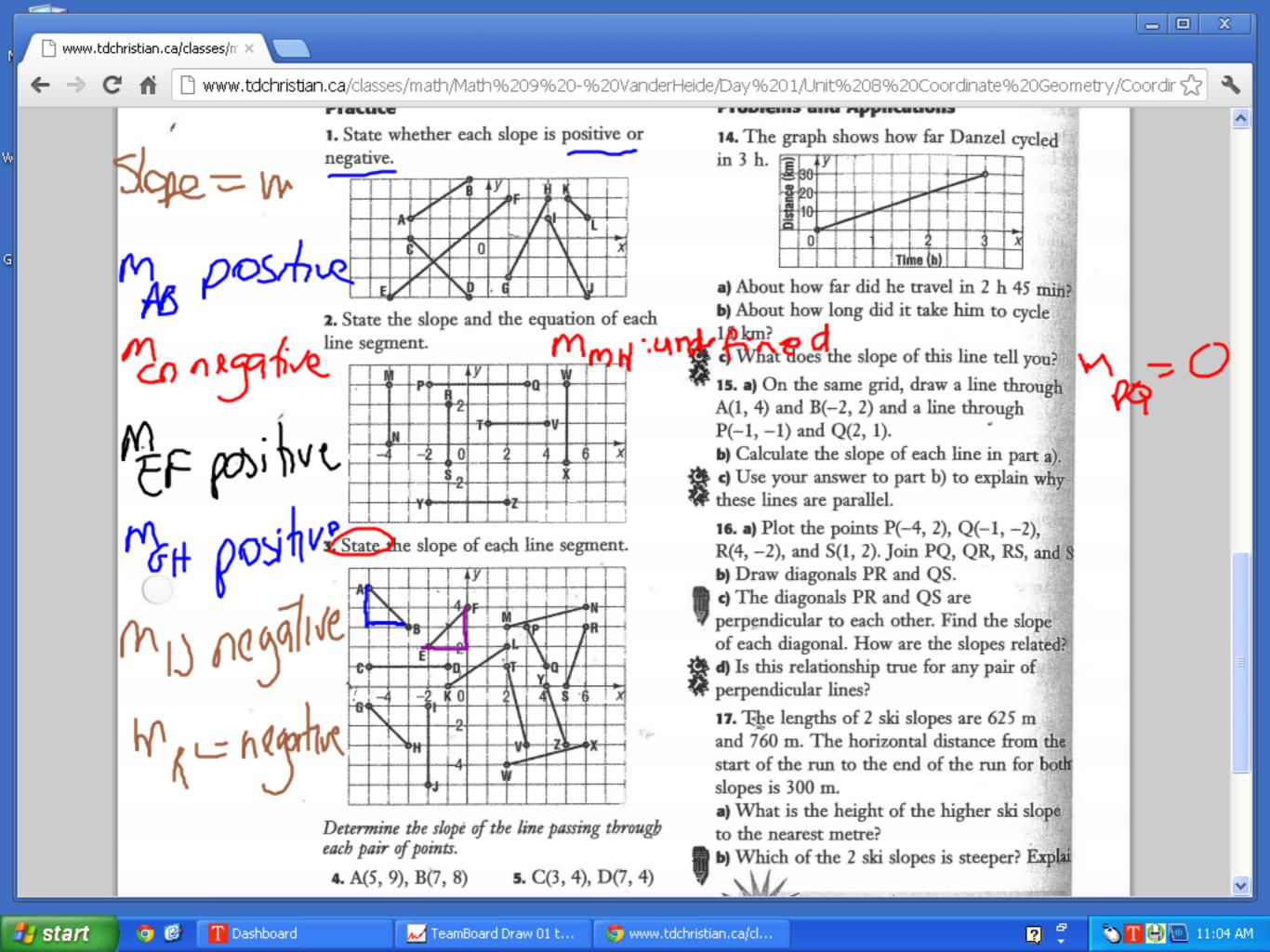
6. 4= Zx

J=3>(

UF X t2 4-21-3 \ / .

unique lines





Homework: p. 441 Intersecting Lines

Test: MAY 7