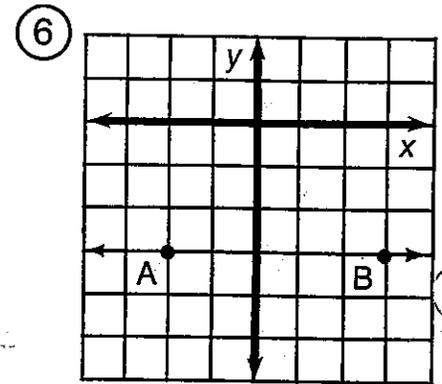
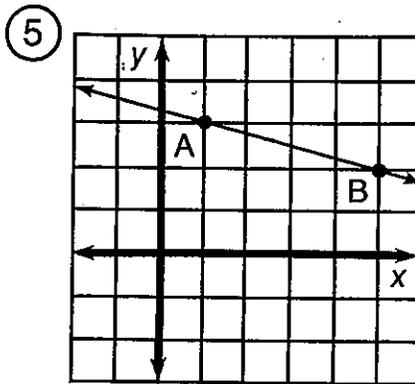
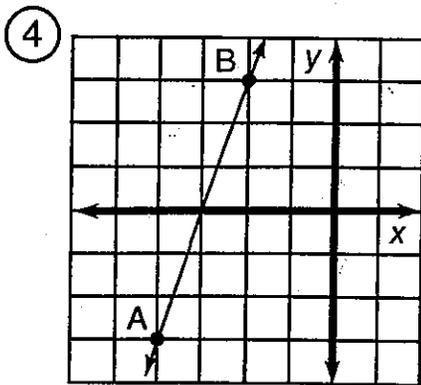
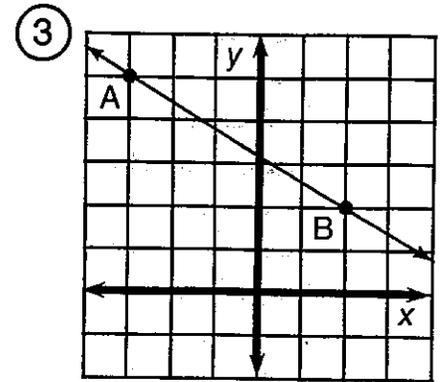
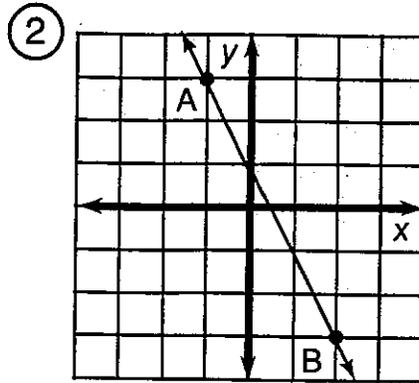
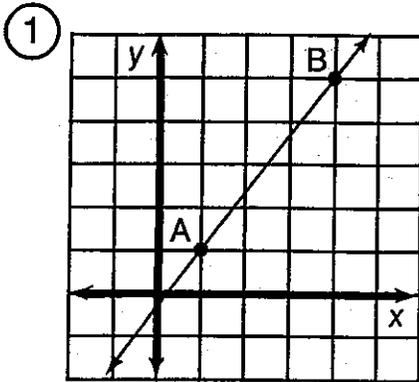


# What Do You Call a Duck That Steals?

For the first six exercises, find the slope of the line  $\overleftrightarrow{AB}$ . For the remaining exercises, find the slope of the line that passes through the two given points. Cross out each box in the rectangle below that contains a correct answer. When you finish, print the letters from the remaining boxes in the spaces at the bottom of the page.



⑦ (2, 1); (5, 3)

⑪ (9, 2); (3, -1)

⑮ (-4, -8); (-2, 0)

⑧ (8, 3); (2, 5)

⑫ (-5, 8); (-4, 2)

⑯ (-3, -3); (0, 0)

⑨ (1, -4); (6, -2)

⑬ (0, -1); (4, -7)

⑰ (2, 5); (9, 1)

⑩ (-3, 1); (-7, 4)

⑭ (1, -1); (-2, -6)

⑱ (0, 0); (-2, 7)

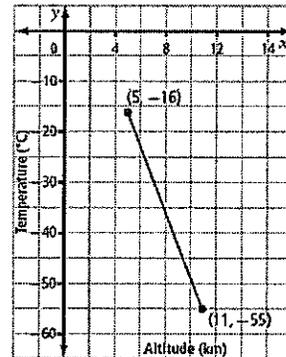
DU	AB	CK	ST	AR	IG	AT	OB	IG	ET	BE	ST
0	-6	$-\frac{3}{5}$	$-\frac{4}{7}$	9	$\frac{1}{2}$	$-\frac{7}{2}$	$-\frac{7}{6}$	$\frac{4}{3}$	$\frac{2}{3}$	$-\frac{5}{4}$	$\frac{5}{3}$
CA	RD	RI	CH	UC	RI	ME	AQ	UA	KY	ET	CK
$\frac{2}{5}$	$\frac{1}{6}$	$-\frac{1}{4}$	-2	-8	$-\frac{3}{2}$	1	$-\frac{1}{3}$	$-\frac{3}{4}$	$\frac{8}{5}$	4	3

OBJECTIVE 5-h: To find the slope of a line given two points on the line (not using the graph).

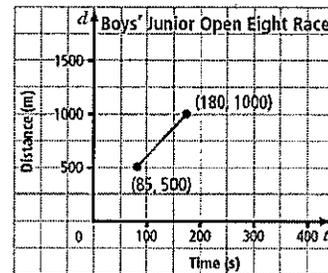
**Lin Eqs & Graphs C1-Linear Relations**  
**Slope as a Rate of Change Assignment**

Name: \_\_\_\_\_

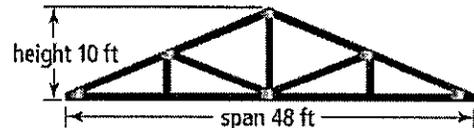
1. The graph shows the air temperature at different altitudes above Earth's surface. Determine the average rate of change. (MHR pg. 326)



2. The Brentwood Regatta in Mill Bay, BC, is the largest junior rowing regatta hosted by a single school in North America. The races are all 1500 m in length. The graph shows the approximate times at the 500-m marks and the 1000-m mark for one of the boy's races. Determine the average rate of change for this portion of the race. (MHR pg. 323)



3. When discussing a roof truss, carpenters refer to the span instead of the width. They talk about the pitch rather than the slope. Determine the pitch of the roof supported by the truss shown. (MHR pg. 320)



4. The Penny Ice Cap glacier in Auyuittuq National Park on Baffin Island, NU is melting. In 2009, some areas of the glacier were about 1000 ft thick. It is estimated that if the glacier continues to melt at its current rate, the ice cap could be 967 ft thick by 2020. What is the estimated rate of change in thickness? (MHR pg. 327)
5. On the first day of school in September, Jodi measured the length of her hair. She found that her longest hair was 36 cm. At the end of the school year, in June, Jodi measured her hair again. Her longest hair at this time was 48.5 cm. What is the average rate of change of hair length per month? (MHR E&H pg. 133)