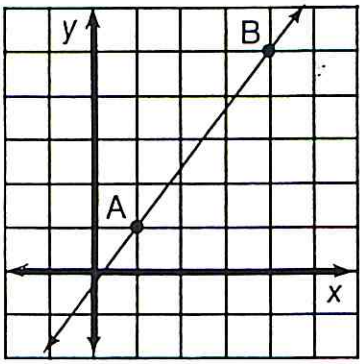
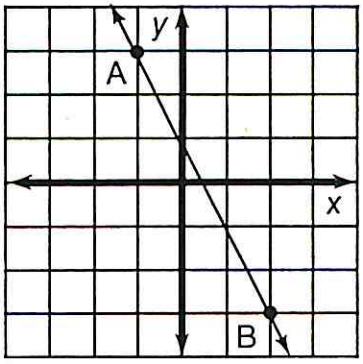
Recall slope = $\frac{y_2 - y_1}{x_2 - x_1}$ | When done with slope, then do a) Find midpoint for even problems

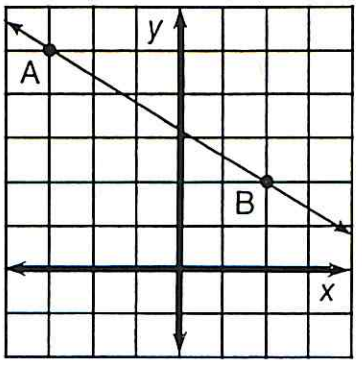
What Do You Call a Duck That Steals?

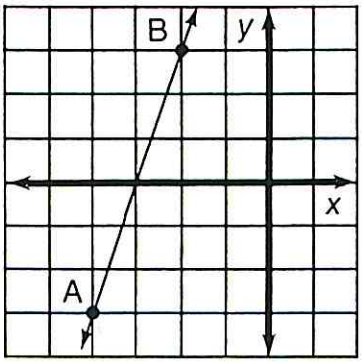
For the first six exercises, find the slope of the line $\overleftrightarrow{AB}$. For the remaining exercises, find the slope of the line that passes through the two given points. Cross out each box in the rectangle below that contains a correct answer. When you finish, print the letters from the remaining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

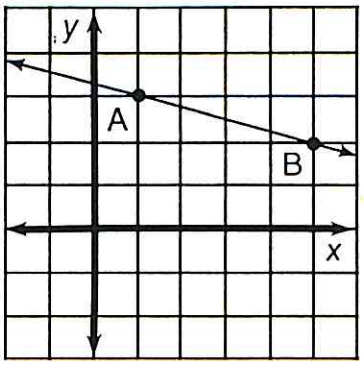
b) Find distance between points for odd problems

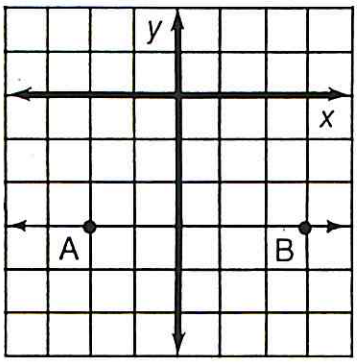
① 

② 

③ 

④ 

⑤ 

⑥ 

⑦ (2, 1); (5, 3)

⑧ (8, 3); (2, 5)

⑨ (1, −4); (6, −2)

⑩ (−3, 1); (−7, 4)

⑪ (9, 2); (3, −1)

⑫ (−5, 8); (−4, 2)

⑬ (0, −1); (4, −7)

⑭ (1, −1); (−2, −6)

⑮ (−4, −8); (−2, 0)

⑯ (−3, −3); (0, 0)

⑰ (2, 5); (9, 1)

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).

← or just do big # − small #

Recall: Midpoint Formula $\left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}\right)$ Distance $\sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$