

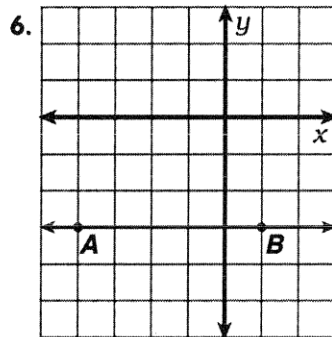
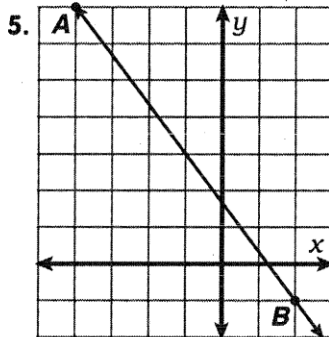
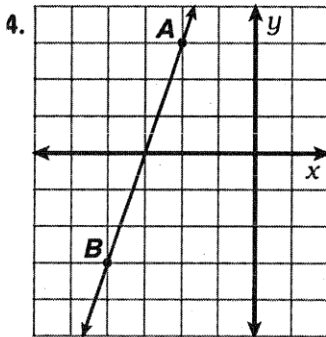
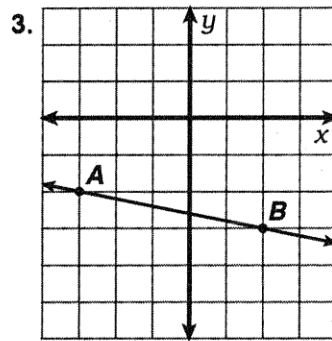
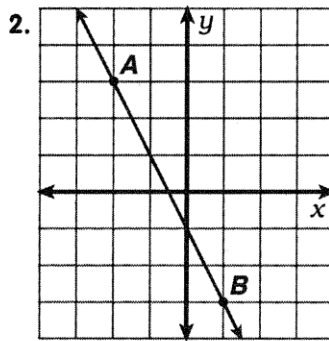
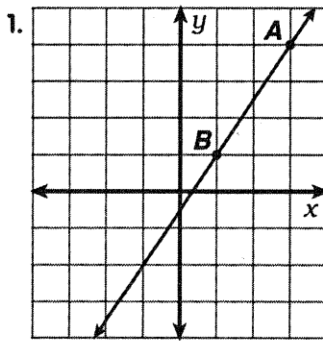
GRADE 11 ESSENTIAL
UNIT F RELATIONS AND PATTERNS
SLOPE 2

Name: _____
Date: _____

What do they use to repair big brass band instruments?

Cross out the letter pair next to each correct answer. For each letter pair that you DON'T cross out, write the upper case letter in the box containing the lower case letter.

In Exercises 1-6, find the slope of \overleftrightarrow{AB} .



answers 1-6

- i • O** $-\frac{4}{3}$
- e • U** $-\frac{2}{3}$
- g • R** $\frac{3}{2}$
- a • T** 3
- b • A** $-\frac{3}{5}$
- j • V** -2
- d • L** 0
- l • E** $\frac{7}{2}$
- h • N** $-\frac{1}{5}$

Work area

In Exercises 7-18, find the slope of the line that passes through the two given points.

SHOW ALL OF YOUR WORK

answers 7-12

7. (5, 1); (8, 3)

8. (6, 3); (1, 4)

f.P 1

k.U $-\frac{7}{4}$

a.S $-\frac{1}{5}$

9. (2, -2); (5, 7)

10. (1, -6); (9, -8)

c.N 3

d.B $-\frac{8}{3}$

g.A -2

11. (-3, 7); (-10, 0)

12. (-9, 4); (-6, -4)

i.G $\frac{2}{5}$

h.N $\frac{2}{3}$

m.E $-\frac{1}{4}$

answers 13-18

13. (0, -3); (-2, 7)

14. (2, 8); (0, 3)

j.L -3

h.R -5

d.T $\frac{5}{7}$

15. (-6, 4); (6, -5)

16. (-5, -9); (-1, -1)

f.N $\frac{4}{9}$

f.B $-\frac{2}{5}$

c.T $\frac{5}{2}$

17. (-2, 11); (7, 15)

18. (-5, 6); (0, 0)

d.S $-\frac{3}{4}$

m.D $-\frac{6}{5}$

j.O 2

Work Area

7. slope = $\frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1} = \frac{(3-1)}{(8-5)} = \frac{2}{3}$

a	b	c	d	e	f	g	h	i	j	k	l	m
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