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Matching Graphs Games Geometry Terms (Angles)

This is a group activity that works well with groups of three or four students. There are 8 of each type of card, each with a different color. One type of card is a card with the geometry term on it. Other types of cards have other needed information on them such as the definition of the term, an example picture of each term, and an equation that fits the picture that uses geometry symbols. Each group should get a set of cards which they will sort into piles of cards which match to a term. After the cards have been sorted give each group one blank information sheet to fill in. This makes it easier to check that they have sorted the cards correctly.

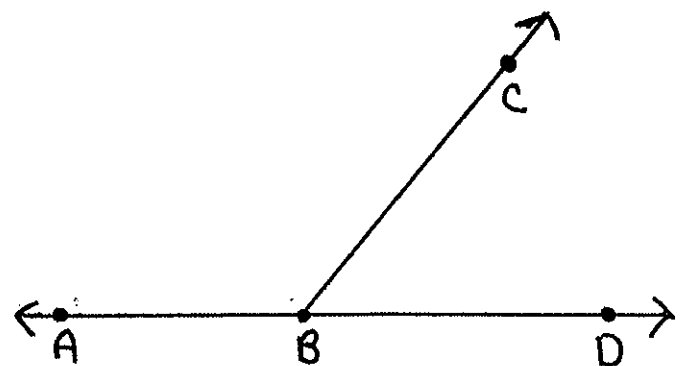
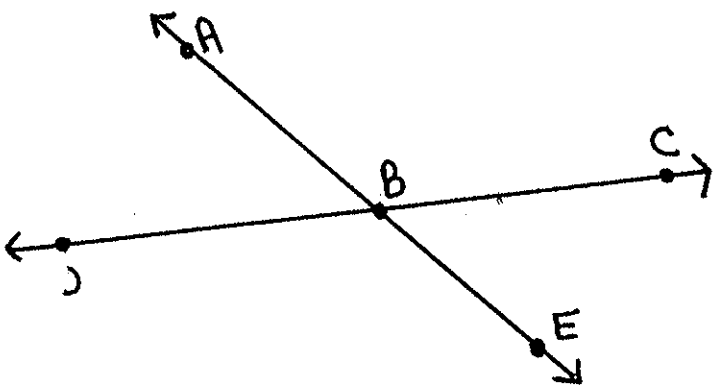
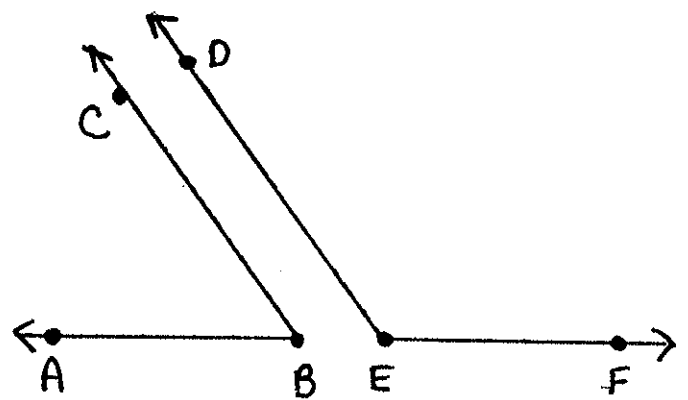
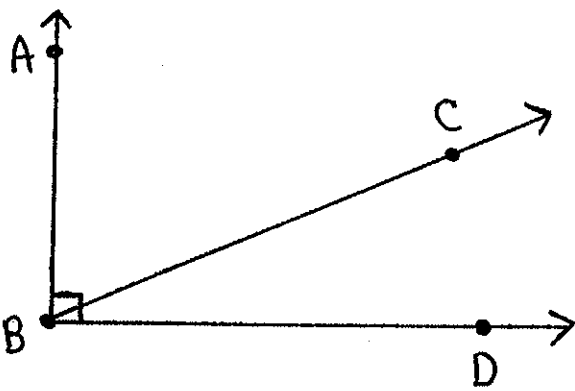
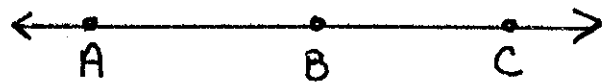
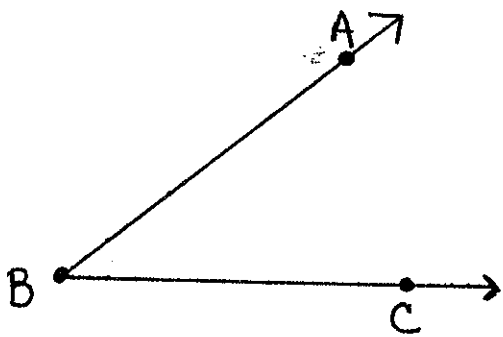
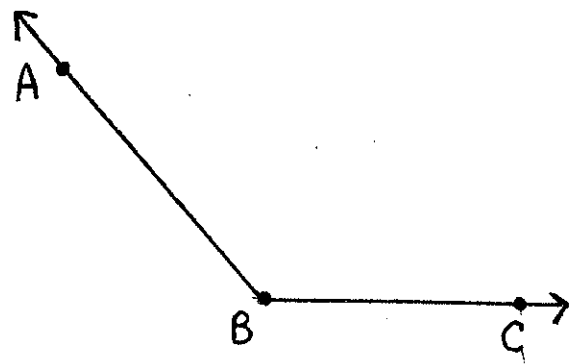
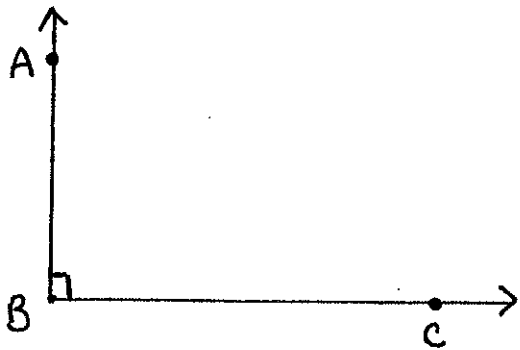
This is a good activity to do to help students learn some of the basic geometry terms used with angles. I usually do this activity as a review after students have already learned these basic terms. This activity can also serve as a review before the EOC test.

Geometry Terms

term	definition	equation	picture
RIGHT ANGLE	D1	$m\angle ABC = 90^\circ$	
OBTUSE ANGLE	D2	$m\angle ABC > 90^\circ$	
ACUTE ANGLE	D3	$m\angle ABC < 90^\circ$	
STRAIGHT ANGLE	D4	$m\angle ABC = 180^\circ$	
COMPLEMENTARY ANGLES	D5	$m\angle ABC + m\angle CBD = 90^\circ$	
SUPPLEMENTARY ANGLES	D6	$m\angle ABC + m\angle DEF = 180^\circ$	
VERTICAL ANGLES	D7	$m\angle ABC = m\angle DBE$	
LINEAR PAIR	D8	$m\angle ABC + m\angle CBD = 180^\circ$ AND $m\angle ABD = 180^\circ$	

Geometry Terms

term	definition	equation	picture
	D1		
	D2		
	D3		
	D4		
	D5		
	D6		
	D7		
	D8		



D1

an angle that measures 90°

D2

**an angle that measures
more than 90°**

D3

**an angle that measures
less than 90°**

D4

an angle that measures 180°

D5

**two angles the sum of
whose measures is 90°**

D6

**two angles the sum of
whose measures is 180°**

D7

**two angles with a common
vertex whose sides are two
pairs of opposite rays**

D8

**two adjacent angles
that are supplementary**

$$m\angle ABC = 90^\circ$$

$$m\angle ABC > 90^\circ$$

$$m\angle ABC < 90^\circ$$

$$m\angle ABC = 180^\circ$$

$$m\angle ABC + m\angle CBD = 90^\circ$$

$$m\angle ABC + m\angle DEF = 180^\circ$$

$$m\angle ABC = m\angle DBE$$

$$m\angle ABC + m\angle CBD = 180^\circ$$

and $m\angle ABD = 180^\circ$

right angle

obtuse angle

acute angle

straight angle

**complementary
angles**

**supplementary
angles**

**vertical
angles**

linear pair