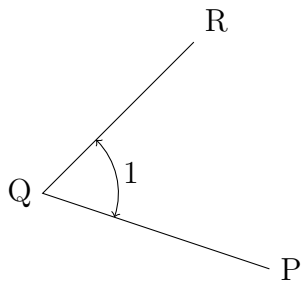


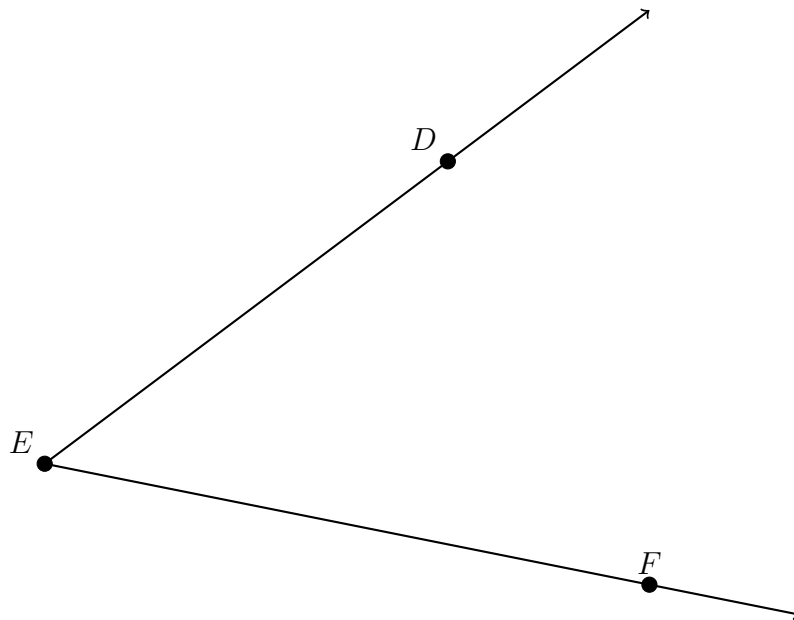
Name: \_\_\_\_\_

**Classwork 1.5: Angle terminology & measurement**

1. I have a compass, ruler, protractor, notebook, and folder (circle one). Yes      No
2. Write the appropriate name for the type of angle depending on its measure in degrees.  
(acute, right, obtuse, or straight)
  - (a)  $m\angle = 90$  : \_\_\_\_\_
  - (b)  $90 < m\angle < 180$  : \_\_\_\_\_
  - (c)  $0 < m\angle < 90$  : \_\_\_\_\_
  - (d)  $m\angle = 180$  : \_\_\_\_\_
3. Write down the name of the given angle three different ways.

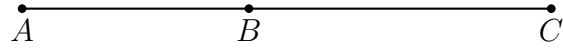


4. Points that are all located on the same plane are \_\_\_\_\_.
5. Write down the name of the angle shown in the diagram below using proper geometric notation.



Find the measure of the angle in degrees with a protractor.

6. Given  $\overline{ABC}$ ,  $AB = 3x - 2$ ,  $BC = x + 11$ ,  $AC = 29$ . Find  $AB$ . Show each step:



- (a) Sketch and label the situation
- (b) Write a geometric equation
- (c) Substitute algebraic values and solve

$$x = \underline{\hspace{2cm}}$$

- (d) Answer the question

$$AB = \underline{\hspace{2cm}}$$

- (e) Check your answer

7. Spicy: Given  $\triangle ABC$  with  $\overline{AC} \cong \overline{BC}$ .  $AC = 5x + 7$  and  $BC = 3x + 17$ . Find  $AC$ .

