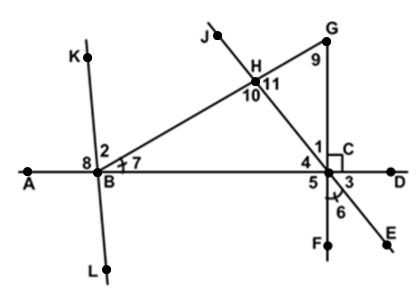
Math 1 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**6-3 Vocabulary Applications 2** Date\_\_\_\_\_\_\_\_



**Use the picture to the right to answer questions 1-10.**

1. Name two pairs of vertical angles.
2. Name two linear pairs.
3. Name two pairs of supplementary angles.
4. Name two pairs of congruent angles.
5. Name a pair of complementary angles.
6. Give two other names for ∠2.
7. Name a pair of perpendicular line segments.
8. Name an obtuse angle, an acute angle and a right angle.
9. Assuming *m*∠1 = 38o and *m*∠2 = 58o, find the measure of angles 2-11.

∠3\_\_\_\_\_\_\_\_ ∠4\_\_\_\_\_\_\_\_ ∠5\_\_\_\_\_\_\_\_

∠6\_\_\_\_\_\_\_\_ ∠7\_\_\_\_\_\_\_\_ ∠8\_\_\_\_\_\_\_\_

∠9\_\_\_\_\_\_\_\_ ∠10\_\_\_\_\_\_\_\_ ∠11\_\_\_\_\_\_\_\_

**Sketch drawings of the following:**

1. *q* || *p* 11. ∠NBC ∠ABC and bisects ∠NBA

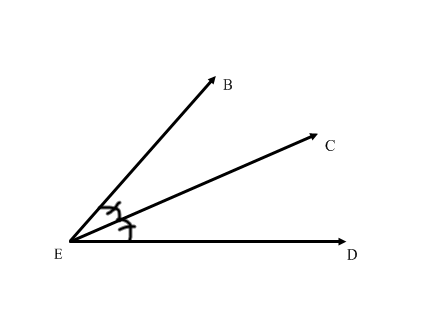
12. 13.

14. Lines *m* and *n* are parallel with transversal *t*.

Use the picture at the right to answer the following questions:

1. and 

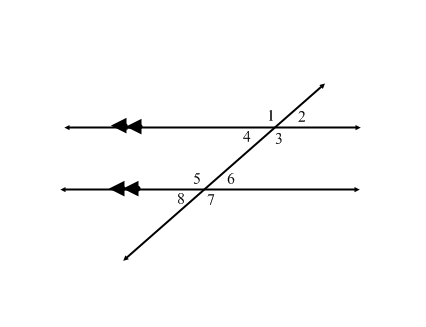
Solve for *x*.



1. *m*∠BEC =
2. *m*∠CED =
3. *m*∠BED =

Use the picture to the right to answer the following questions:



1. If and

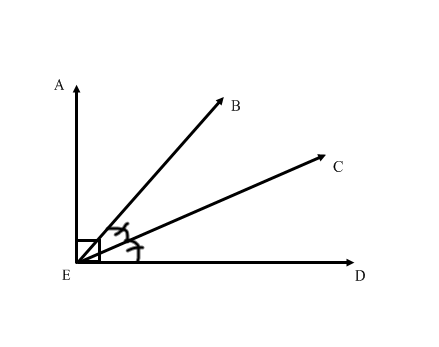
Solve for *x*.

1. What is the *m*∠1?
2. What is *m*∠3?
3. What vocabulary word describes ∠1 and ∠3?
4. What vocabulary word describes ∠1 and ∠2?
5. What is *m*∠2?
6. If  and 

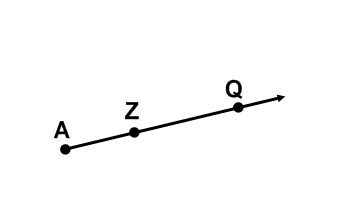
Solve for *x*.

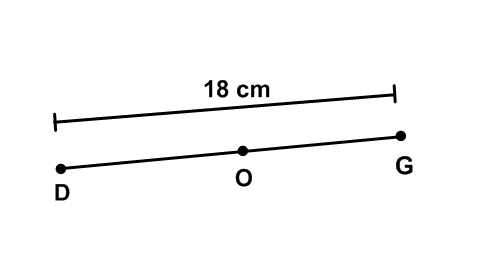
1. What is the *m*∠1?
2. What is *m*∠8?
3. What vocabulary word describes ∠1 and ∠8?
4. What vocabulary word describes ∠8 and ∠7?
5. What is *m*∠7?

Use the picture at the right to answer the following questions:

1. What vocabulary word describes ?
2. and 

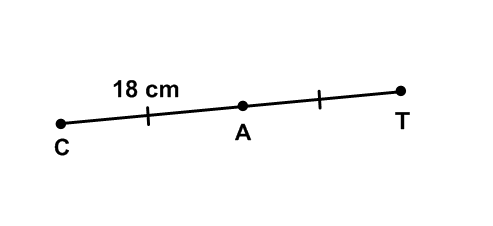
Solve for *x*.

1. *m*∠AEB =
2. *m*∠BEC =
3. *m*∠CED =
4. *m*∠AEC =
5. *m*∠BED =
6. Draw .
7. Draw
8. Draw
9. Give another name for .
10. Draw
11. Give another name for .
12. What’s another name for

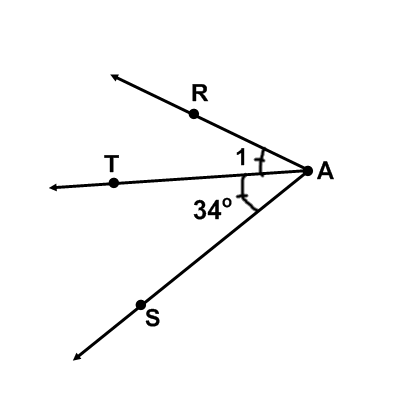


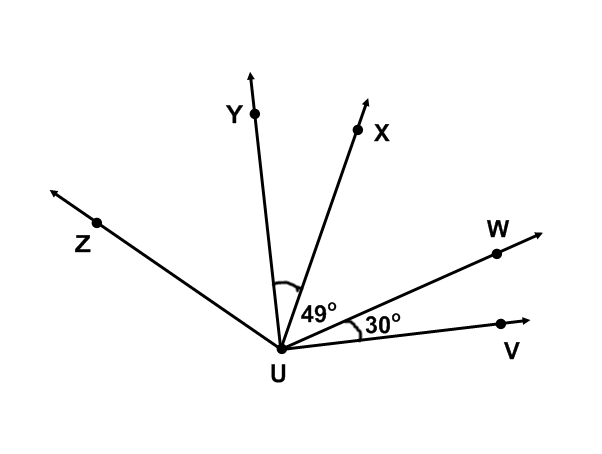
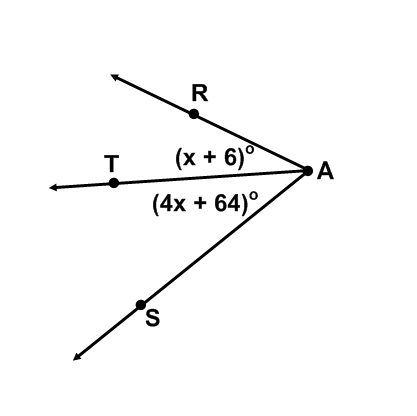
1. Assuming O is the midpoint of DG,

what is the length of DO?



1. What is the length of CT?



1. Give another name for angle 1 using three points.
2. What is called?
3. What is the measure of ?
4. Draw: intersects line *q* at point *Z*.
5.  What is the measure of ?
6. What is the measure of ?
7. If , find the measure of .
8. Find the measure of .
9. If m is 52o, what is the measure of ?
10. Find *x* using the diagram to the right if m = 80o.
11. Find the measure of .