

**Across**

5. A line, segment or ray that passes through the midpoint

of a segment.

7. Adjacent angles that make a straight line.

8. A flat surface.

9. Same size and same shape.

10. Cuts an angle in half.

11. "Next to"

12. Goes on forever in 1 direction.

**Down**

1. Add to 180: \_\_\_\_ angles.

2. The unit angles are measured in.

3. When 2 lines intersect, the congruent angles are called

\_\_\_\_ angles.

4. Add to 90: \_\_\_\_ angles.

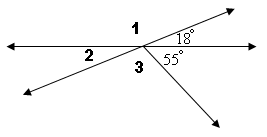
6. The point in the middle of a segment.

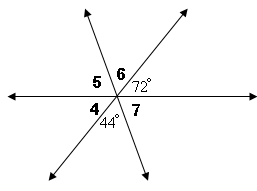
7. Goes on forever in 2 directions.

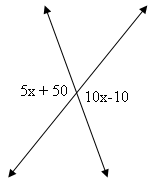
Tools of Geometrty

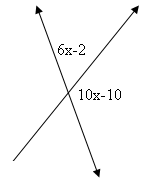
NAME:

Find the measure of all the angles in the diagram shown:



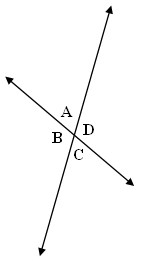


Solve for x in each of the following

8. 9.

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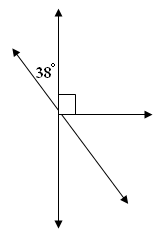
Use the diagram to answer the following questions:

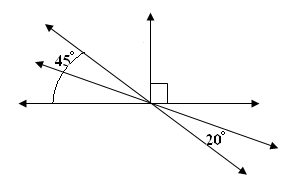
1. Which angle is a **vertical angle** pair with A?

2. Which 2 angles **make a linear pair** with A?

3. Which angles are **supplementary** to angle A?

4. Which angle is **congruent** to angle A?

Find all the missing angle measures:



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1. Two angles are supplementary, their measures are 4x+6 and 13x+4. Find x. Find the measures of the 2 angles.

2. Two angles are complementary, their measures are 4x+8 and 2x+4. Find X. Find the measures of the 2 angles.

Find the midpoint of the segment with endpoints…

3. (-7, 4) and (5, 10) 4. (2, 3) and (6, -5)

Find the distance between the points

5. (-3, 1) and (9, 6) 6. (1, 2) and (7, 9)