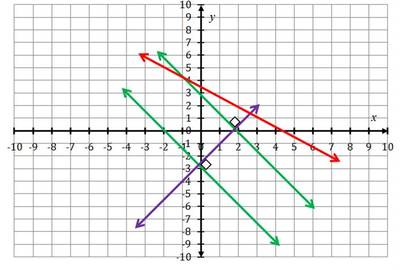
**OBJECTIVE: S.W.B.A.T. distinguish lines and segment properties and use them properly in context of given problem.**

**Do Now: AC has a length of 38.**

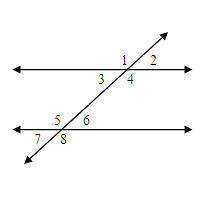
1. Find the value of x

**[](http://0.tqn.com/d/create/1/0/A/i/C/-/Opener.jpg)**

1. Find the length of BC
2. **Parallel and Perpendicular Lines**
3. Name a pair of parallel lines\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Name a pair of perpendicular lines\_\_\_\_\_\_\_\_\_\_\_
5. Decide whether the pair of lines is parallel, perpendicular, or neither

1. **Angles and Transversals**

Angle 2 has a measure of 42°. Find the seven remaining angle measures:



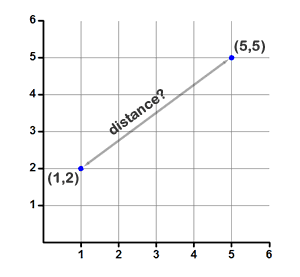
1. **The Midpoint**

**Formula:**

1. Find the midpoint of the segment with endpoints (-3, 7) and (5, 1)
2. The midpoint of a segment is (8, 4) and one of its endpoints is (6, 12). Find the other endpoint.

**Formula:**

1. **The Distance Formula:**
2. **Find the distance between the points (2, 2) and (-3, -10)**
3. **Find the distance between the points (1, 4) and (-2, 8)**



1. **Find the distance in the diagram:**
2. **Properties:**

**Reflexive Property:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Transitive: Property:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Symmetric Property:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Distributive Property:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**