Geometry Unit 3 proofs practice day

For numbers 1-3, write a two column proof for each.

1. Given: 

Prove: x=10



1. Given: 5x + 3(x+4) = 28

Prove: x = 2

1. Given: 
Prove: $∠4≅∠10$



Identify the property for each statement below.

1. $If a=b, then b=a.$
2. $If AB≅CD, and CD≅LM, then AB≅LM.$
3. $CM≅CM$
4. $If 3x+4=34, then 3x=30.$

Review

1. For the following conditional state each of the following:

If two lines intersect at right angles, then they are perpendicular.

1. Converse:
2. Inverse:
3. Contrapositive:
4. Can a biconditional be formed? Explain. Write the biconditional if it can be formed.
5. Identify the hypothesis and conclusion in the conditional below.

If it rains today, then practice will be cancelled.

1. Give a counterexample to the following:

If you have visited Texas, then you have been to Texas.

1. Write in if- then form.

All squares have four 90 degree angles.