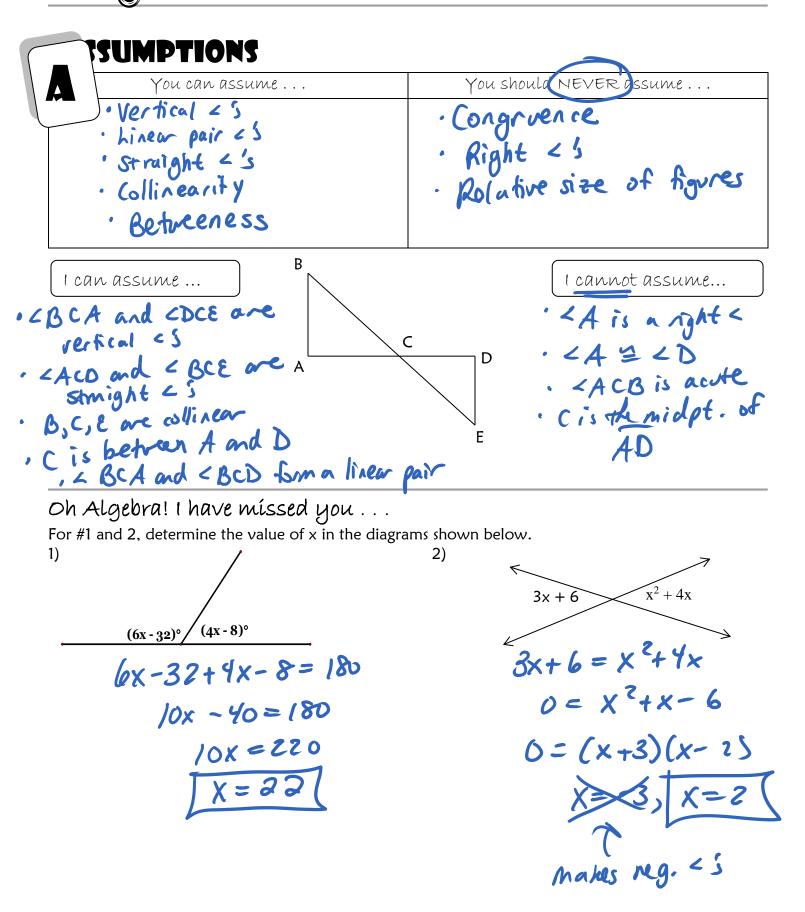
More Proofs and Assumptions

To write two-column proofs by providing both the statements and the reasons.

Section

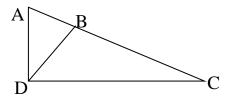
2.6 Day 3



<u>*Proof Partner Practice!* Use the information below to write a two column proof:</u>

1) Given: $\measuredangle ABD$ and $\measuredangle CBD$ form a linear pair <u>Prove:</u> \measuredangle ABD and \measuredangle CBD are supplementary Г Statements D and <CBD Reasons form a () Given linear pair linear pair, (2) < ABD and < (BD are syn. fim a ve spp ØIf 21 then they are Т 2. Given: A is the midpoint of \overline{BT} А В <u>Prove</u>: $\overline{BA} \cong \overline{AT}$ Statements Reasons () A is the midpt. of BT Gren • D BA = AT divides Sogs. 3. <u>Given</u>: OG bisects $\angle DOS$ $\angle DOG \cong \angle CAT$ Т S Prove: $\angle CAT \cong \angle GOS$ Reasons bis. < DOS a ray bis an c, then it, the c into 2 5 2 5. ०८५८८०० < DOG = 2 CAT Sir~ Transitive Property < CAT = CGOS

4. Given: $\measuredangle ADB$ is comp $\measuredangle A$ $\measuredangle CDB$ is comp $\measuredangle C$ $\measuredangle ADB \cong \measuredangle CDB$



Prove: $\measuredangle A \cong \measuredangle C$

