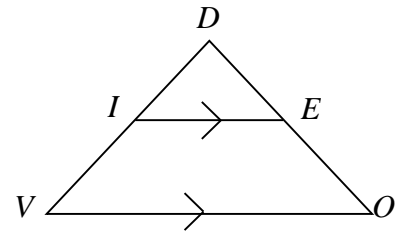


Fill in the blank proof.

1) Given: IE is parallel to VO

Prove: $\frac{ID}{IV} = \frac{ED}{EO}$

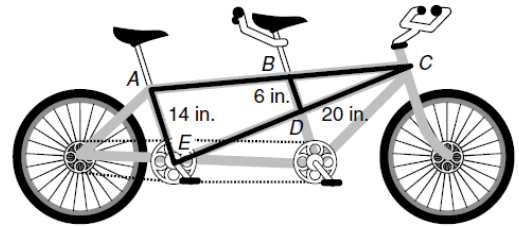
| Statements | Reasons |
|---------------------------------------|----------------------------|
| 1) IE is parallel to VO | Given |
| 2) | Reflexive Property |
| 3) | |
| 4) $\triangle IDE \sim \triangle VDO$ | |
| 5) $\frac{ID}{IV} = \frac{ED}{EO}$ | Def'n of Similar Triangles |



2) Given: AE is parallel to BD

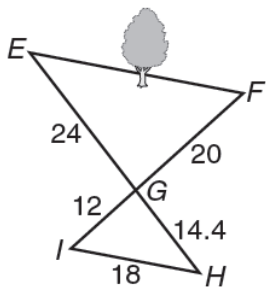
Prove: $\triangle CBD \sim \triangle CAE$

| Statements | Reasons |
|------------|---------|
| 1) | |
| 2) | |
| 3) | |
| 4) | |



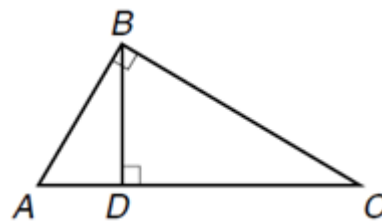
3) Given: $10(GH) = 6(GE)$
 $10(IG) = 6(FG)$

Prove: $\angle H \cong \angle E$



4) Given: *Right* $\triangle ABC$
 $\overline{BD} \perp \overline{AC}$

Prove: $\triangle ABC \sim \triangle ADB$



5) Given: $\triangle PQR$ and $\triangle TUS$

Prove: $\triangle PQR \sim \triangle TUS$

