**HOMEWORK: TRIANGLE PROOFS**

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| 1. Given: $\overbar{RS}≅\overbar{RU}, \overbar{TS}≅\overbar{TU}, $

 $<S≅<U, <SRT≅<URT$ Prove: $∆RST≅∆RUT$ | 1. Given: $\overbar{RS}≅\overbar{UT}, \overbar{RT}≅\overbar{SU}$

 Prove: $∆RST≅∆UTS$ |
| 1. Given: $\overbar{AB}≅\overbar{AD}, <B≅<D, $

$$\overbar{AC}⊥\overbar{BD}$$ Prove: $∆ABC≅∆ADC$ | 1. Given: $\overbar{LM}≅\overbar{PO}, <L≅<P,<M \& <O are right$

 Prove: $∆LMN≅∆PON$ |

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| 1. Given: $H is the midpoint of \overbar{GJ}, \overbar{GI}≅\overbar{IJ}$

 Prove: $∆GHI≅∆JHI$  | 1. Given: $M is the midpoint of \overbar{GT}, $

 $M is the midpoint of \overbar{HS}$ Prove: $∆GMH≅∆TMS$ |
| 1. Given: $<B \&<D are right, \overbar{AE} bisects \overbar{BD}$

 Prove: $∆ABC≅∆EDC$ | 1. Given: $\overbar{DC} ⊥ \overbar{AE},\overbar{ DE}≅\overbar{AC}, $

 $B is the midpoint of \overbar{AE} $ Prove: $∆BDE≅∆BCA$ |