Homework 8.2: Triangle Proofs Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Math 3

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| 1. Given: $RS≅RU, TS≅TU, $

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

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

$$<ACB \& <ACD are 90°$$ Prove: $∆ABC≅∆ADC$ | 1. Given: $LM≅PO, <L≅<P,<M \& <O are 90°$

 Prove: $∆LMN≅∆PON$ |

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

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

 $M is the midpoint of HS$ Prove: $∆GMH≅∆TMS$ |
| 1. Given: $<B \&<D are 90°, AE bisects BD$

 Prove: $∆ABC≅∆EDC$ | 1. Given: $DC | AE, DE≅AC, $

 $B is the midpoint of AE $ Prove: $∆BDE≅∆BCA$ |