Homework 6.2: Triangle Proofs Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Math 3

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| 1. Given: $RS≅RU, RT bisects SU $

  Prove: $∆RST≅∆RUT$ | 1. Given: $RS≅UT, RT≅SU$

 Prove: $∆RST≅∆UTS$ |
| 1. Given: $∡B≅∡D$

 $AC is perpendicular to BD $$ $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: $∆BDE≅∆BCA$ |