TUESDAY, AUGUST 28, 2012

TISK Problems

- 1. Factor completely $-5x^2 + x^3 + 6x$
- 2. Are A, B, and C collinear?
- 3. If $\overline{AB} \cong \overline{BC}$, find BC.

^{3x + 5} A Homework: p. 104-105 #22-30 even, 33 & 34

6x - 7

We will have 3 Mental Math questions.

Homework Check

24) a. Given
b. × Prop. of =
c. ÷ Prop. of = (or × Prop. of =)
25) a. Given
b. × Prop. of =
c. Distributive Prop.
d. - Prop. of =
e. ÷ Prop. of =

- 26) a. Given
 - b. Segment Addition Postulate
 - c. Substitution Property of Equality
 - d. Given

e. - Prop. of =

27) a. $m \measuredangle TUV = 90, m \measuredangle XWV = 90,$ $m \measuredangle 1 = m \measuredangle 3$ b. Substitution Prop. of = c. Angle Addition Postulate d. $m \measuredangle 1 + m \measuredangle 2 = m \measuredangle 3 + m \measuredangle 4$ e. Substitution Prop. Of = f. $m \measuredangle 2 = m \measuredangle 4$

§2.5 Verifying Segment Relationships



Marking Pictures

Mark the diagram with the given information.

AB = 12, BC = 12, AD = 10, DC = 14



Marking Pictures

Mark the diagram with the given information.

 \overrightarrow{FG} bisects \overline{EH}



Marking Pictures

Mark the diagram with the given information. *m₄ABC* = *m₄CBD*



Prove that AC = BD given that AB = CD.



Given: $EF = GH$ Prove: $\overline{EG} \cong \overline{FH}$	
••	
	G H
Statements	Reasons
1) $EF = GH$	1) Given
2) <i>EF</i> + <i>FG</i> = <i>GH</i> + <i>FG</i>	2) + prop of =
3) $EG = EF + FG$, $FH = GH + FG$	3) Segment + Post.
4) $EG = FH$	4) Transitive
5) $\overline{EG} \cong \overline{FH}$	5) Def of \cong

Homework

• p. 104-105 #22-30 even, 33 & 34

- Due to some strange scheduling this week.... We will do our Problem-Solving day tomorrow.
 - Your write-ups won't be due until Sept. 7.