

5.2, 5.3 Review homework

Thursday, November 3, 2016 8:21 AM

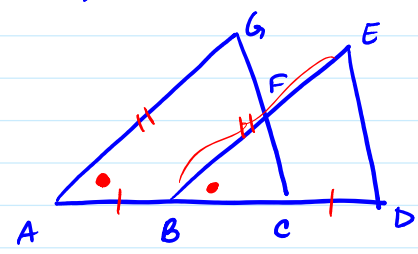
pg. 264 3, 7, 9, 17, 18, 25

3. $x + 50 > 3x > 0$
 $25 > x > 0$

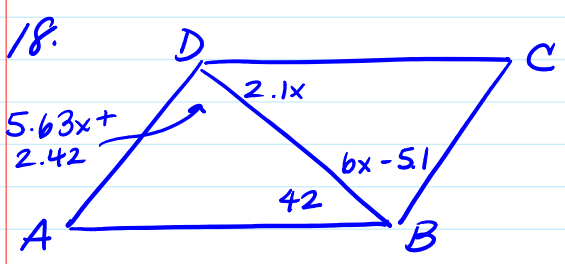
7. a. yes b. no c. $120 + x + 40 = 180$
 $x = 20$

yes! since
 Alt. int. \angle 's are \cong

Statements	Reasons
1. $\overline{AB} \cong \overline{CD}$	1. Given
2. $\overline{AG} \cong \overline{BE}$	2. Given
3. $\overline{AG} \parallel \overline{BE}$	3. Given
4. $\overline{AC} \cong \overline{BD}$	4. Addition
5. $\angle A \cong \angle EBC$	5. If \parallel lines \rightarrow corr. \angle 's are \cong
6. $\triangle GAC \cong \triangle EBD$	6. SAS
7. $\angle GCA \cong \angle EDB$	7. CPCTC
8. $\overline{GC} \parallel \overline{ED}$	8. If corr. \angle 's are $\cong \rightarrow \parallel$ lines



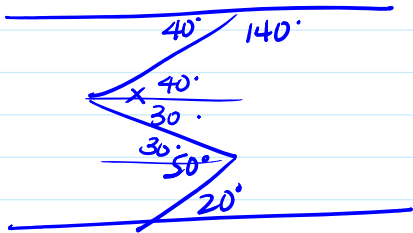
17. Area = $\pi(5)^2 = 25\pi = 78.540$ 78.540



5. $63x + 2.42 = 6x - 5.1$
 $7.52 = 0.37x$
 $x = \frac{752}{37}$

a. $\approx 116.85^\circ = m\angle 1$
 b. $m\angle 2 = 42.68^\circ \neq 42^\circ \therefore \overline{DC} \nparallel \overline{AB}$

25.



$$x = 70^\circ$$