

Answers

Practice 1-5

1. 4 2. 12 3. 20 4. 6 5. 22 6. -10 or 6
 7. -1 or 1 8. 3; 4; no 9. 6; 6; yes 10. C or -2
 11. 15 12. 31 13. 14 14. $x = 11\frac{2}{3}$; $AB = 31$;
 $BC = 31$ 15. $x = 35\frac{2}{3}$; $AB = 103$; $BC = 103$

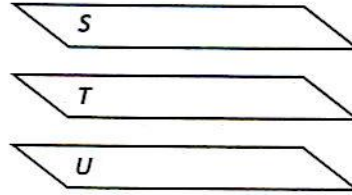
Practice 1-6

1. any three of the following: $\angle O$, $\angle MOP$, $\angle POM$, $\angle 1$
 2. $\angle AOB$ 3. $\angle EOC$ 4. $\angle DOC$ 5. 51 6. 90
 7. 17 8. 107 9. 141 10. 68 11. $\angle ABD$, $\angle DBE$,
 $\angle EBF$, $\angle DBF$, $\angle FBC$ 12. $\angle ABF$, $\angle DBC$ 13. $\angle ABE$,
 $\angle EBC$ 14. $x = 5$; 8; 21; 13 15. $x = 9$; 85; 35; 120

Practice 1-4

1. true 2. false 3. true 4. false 5. false
 6. false 7. \overline{JK} , \overline{HG} 8. \overline{EH} 9. any three of the
 following pairs: \overleftrightarrow{EF} and \overleftrightarrow{JH} ; \overleftrightarrow{EF} and \overleftrightarrow{GK} ; \overleftrightarrow{HG} and \overleftrightarrow{JE} ;
 \overleftrightarrow{HG} and \overleftrightarrow{FK} ; \overleftrightarrow{JK} and \overleftrightarrow{EH} ; \overleftrightarrow{JK} and \overleftrightarrow{FG} ; \overleftrightarrow{EJ} and \overleftrightarrow{FG} ; \overleftrightarrow{EH}
 and \overleftrightarrow{FK} ; \overleftrightarrow{JE} and \overleftrightarrow{KG} ; \overleftrightarrow{EH} and \overleftrightarrow{KG} ; \overleftrightarrow{JH} and \overleftrightarrow{KF} ; \overleftrightarrow{JH} and
 \overleftrightarrow{GE} 10. planes A and B 11. planes A and C; planes
 B and C 12. planes A and C 13. planes B and C
 14. Sample: \overleftrightarrow{EG} 15. 6 16. \overleftrightarrow{EF} and \overleftrightarrow{ED} or \overleftrightarrow{EG} and
 \overleftrightarrow{ED} 17. \overleftrightarrow{FE} , \overleftrightarrow{FD} 18. \overleftrightarrow{GF} , \overleftrightarrow{GD} 19. yes

20. Sample:



21. Sample:

