

GEOMETRY (SECTION 1.4)

7. $\angle ABC, \angle CBA, \angle A, \angle B$

9. $\angle EAF = |70 - 0|$
= 70° Acute

11. $\angle BAE = |180 - 70|$
= 110° Obtuse

13. $\angle CAE = |155 - 70|$
= 85° Acute



19. $\angle FJH \cong \angle BJA$

21. $m\angle GHF = 130$

$m\angle JBC = 130$

23. $\angle RQS + \angle TQS = 180$
 $2x + 4 + 6x + 20 = 180$

$8x + 24 = 180$

$8x = 156$

$x = 19.5$

$\angle RQS = 2(19.5) + 4$
= 43

$\angle TQS = 6(19.5) + 20$
= 137

29. $m\angle AOB = m\angle COD$

$4x - 2 = 2x + 14$

$2x = 16$

$x = 8$

$m\angle AOB = 4(8) - 2 = 30^\circ$

$m\angle BOC = 5(8) + 10 = 50^\circ$

$m\angle COD = 2(8) + 14 = 30^\circ$

31. $m\angle MQP - 90 = m\angle VQP$

A