

Geometry

CH 6 Final Exam Review WS

"T" means "work" is a theorem

1. C

2. Quadrilateral
Parallelogram
Rectangle

3. Yes - the diagonals bisect each other.
If, in a quad, diags bisect each other the quad is a $\square$ (T)

4. $x = 39^\circ$ T

$y = 32^\circ$

$z = 109^\circ$ T

5. $m\angle C = 141^\circ$

6. $a = 127^\circ$ $b = 64^\circ$

7. $x = 6$

$NM = OL = 28$

8. $m\angle KJM = 121^\circ$

9. $AM = 6$ T

10. acute base $\angle = 74^\circ$
obtuse base $\angle = 106^\circ$

11. $m\angle DAB = 96^\circ$

12. $JM = 27$

13. Yes - If a quad has 2 pairs of opposite sides $\cong$, then the quad is a $\square$. (T)

14. $x = 9$, $y = 17$

TOP SIDES = 13

BOTTOM SIDES = 21

15. $m\angle T = 10^\circ$

16. $m\angle 1 = 24^\circ$ T

$m\angle 2 = 90^\circ$ T

$m\angle 3 = 66^\circ$

17. $m\angle K = 155^\circ$

18. $x = 2$

$DF = EG = 1$

19. $x = 2$

$y = 6$

20. $x = 5$

$y = 85$

$z = 3$

Circled problems must be solved by setting up + solving an algebraic equation!