

Page 259-261 Answer Key

1. KITES: $\angle$ s FORMED BY NON-CONGRUENT SIDES $\cong$, DIAGONALS $\perp$
ISO. TRAPEZOID: BASE $\angle$ s $\cong$, DIAGONALS $\cong$
2. DIAGONALS OF ISOSCELES TRAPEZOIDS $\cong$, BUT PQRS IS NOT AN ISOSCELES TRAPEZOID (LEGS AREN'T $\cong$)
3. POINTS X AND Y ARE MIDPOINTS OF THE LEGS
4. DIAGONALS OF KITES ARE $\perp$, SO THERE ARE 4 $\angle$ s @ INTERSECTION.
EACH SIDE OF THE KITE IS A HYPOTENUSE WITH ONE SEGMENT OF EACH DIAGONAL AS THE LEGS.
5. 90° 6. 34° 7. 24 mm 8. 16 ft 9. 21 ft 10. 103°
11. 43.5 cm 16. 9.2 m 17. 63° 19. 102° 20. 30 ft
21. YES, TOTAL AREA OF HIS KITE IS 660 in^2
22. 8 TIMES
23. 78°