

Geometry A#7.2 page 354 #12-42 evens

12. $\sqrt{15}$ 14. $4\sqrt{74}$ 16. $4\sqrt{29}$

18. Yes QR=6 RS=10 QS=8 $6^2+8^2=10^2$

20. No QR= $\sqrt{61}$ RS= $\sqrt{148}$ QS= $\sqrt{113}$
 $(\sqrt{61})^2 + (\sqrt{113})^2 \neq (\sqrt{148})^2$

22. Yes, yes 24. No, no

26. Yes - RT Δ NO - P.T. 28. Yes - RT Δ
NO - P.T.

30	a	b	c
	5	12	13
	10	24	26
	15	36	39
	20	48	52

32. The triples
are all multiples
of the triple
5-12-13.

34. Yes. The measures of the sides
are always multiples of the
triple 5-12-13.

36. ≈ 17.1 degrees 38. skip

40. $2\sqrt{51}$ ft ≈ 14.3 ft 42. 270 in²