

CHECK ANSWERS

ch.6 #40, 43-45, 55-58

#40 → matching...clearly show all work for parts a-h as you match the answer from the given expressions on the right.

#43 → sketch given triangles, then use Pythagorean Theorem to solve or list the Pythagorean triple and its multiplier if using a shortcut.

2 3 15 26 48
3-4-5 5-12-13

#44 → sketch figure and use exact values from special triangles. Also find the decimal approximation.

$12 + 4\sqrt{2} + 4\sqrt{3}$ $8 + 8\sqrt{3}$
21.86 24.59

#45, 55-58 Reminder: $i^2 = -1$

-80 2 $5 + i$ $3 + 2i$

$1 + 4i$ $12 + 13i$ $21 - 10i$

$8\sqrt{2} \approx 11.3$ -13 -11

$-\frac{10}{3}$ $\frac{14}{3}$ $\frac{17}{2}$ 7 8