

# ANSWER PRESENTATION TOOL

Blue - Student Edition

7

5 - Exercise

1,2,5-21 odd

ALL EVEN

Show Solutions

ODD

**1.** the Pythagorean Theorem and the distance formula

**2.** 3, 6, 8; It is the only set that is not a Pythagorean triple.

**5.** yes

**7.** no

**9.** yes

**11.**  $2\sqrt{13}$

**13.**  $\sqrt{29}$

**15.**  $\sqrt{85}$

**17.** The squared quantities under the radical should be added not subtracted;  $2\sqrt{34}$

**19.** yes

**21.** yes

**22.** yes; Use the distance formula to find the lengths of the three sides. Use the converse of the Pythagorean Theorem to show they form a right triangle.

**24.** yes;  $\sqrt{58}$ ; Because you square the differences  $(x_2 - x_1)$  and  $(y_2 - y_1)$ , it does not matter if the differences are positive or negative. The squares of opposite numbers are equivalent.