

Special Triangles and the Unit Circle - Matching Worksheet

Write the letter of the answer that matches the problem.

- _____ 1. Find the length of the hypotenuse of a right triangle if the lengths of the other two sides are both 6 inches. a. 12 inches
- _____ 2. Find the length of the hypotenuse of a right triangle if the lengths of the other two sides are 2.5 meter and $2.5\sqrt{3}$ meter. b. 13.43 cm
- _____ 3. Find the length of the hypotenuse of a right triangle *ABC* if the lengths of the other two sides are both 1.5 cm. c. 8.48 inches
- _____ 4. Find the length of the hypotenuse of a right triangle if the lengths of the other two sides are both 14 cm. d. 5.09 cm
- _____ 5. Find the length of the hypotenuse of a right triangle if the lengths of the other two sides are 12 cm and $12\sqrt{3}$ cm. e. 5 meter
- _____ 6. Find the length of the hypotenuse of a right triangle *ABC* if the lengths of the other two sides are both 3.6 cm. f. 12.44 inches
- _____ 7. Find the length of the hypotenuse of a right triangle if the lengths of the other two sides are both 8.8 inches. g. 19.80 cm
- _____ 8. Find the length of the hypotenuse of a right triangle if the lengths of the other two sides are 6 inches and $6\sqrt{3}$ inches. h. 2.12 cm
- _____ 9. Find the length of the hypotenuse of a right triangle *ABC* if the lengths of the other two sides are both 9.5 cm. i. 24 cm

