



Name: _____

Date: _____

Pythagorean Theorem Proofs

Solve for x . Show your work.

1. Is 6, 7, 12 a Pythagorean triple?
2. Is 6, 10, 15 a Pythagorean triple?
3. Is 5, 9, 13 a Pythagorean triple?
4. Is 8, 7, 14 a Pythagorean triple?
5. Is 8, 7, 14 a Pythagorean triple?
6. Is 6, 8, 13 a Pythagorean triple?
7. Is 6, 7, 12 a Pythagorean triple?
8. Is 4, 10, 13 a Pythagorean triple?



Pythagorean Theorem Proofs – Answer Key

1. Is 6, 7, 12 a Pythagorean triple?

$\text{\texttt{\text{No}}}$

2. Is 6, 10, 15 a Pythagorean triple?

$\text{\texttt{\text{No}}}$

3. Is 5, 9, 13 a Pythagorean triple?

$\text{\texttt{\text{No}}}$

4. Is 8, 7, 14 a Pythagorean triple?

$\text{\texttt{\text{No}}}$

5. Is 8, 7, 14 a Pythagorean triple?

$\text{\texttt{\text{No}}}$

6. Is 6, 8, 13 a Pythagorean triple?

$\text{\texttt{\text{No}}}$

7. Is 6, 7, 12 a Pythagorean triple?

$\text{\texttt{\text{No}}}$

8. Is 4, 10, 13 a Pythagorean triple?

$\text{\texttt{\text{No}}}$