Identifying Triangle Angles and Lengths

Determine if the statement is possible (p) or impossible (i).

1) A triangle with the angles: 88°, 16° and 65°
2) A triangle with the angles: 13°, 18° and 127°
3) A triangle with the angles: 83°, 51° and 31°
4) A triangle with the angles: 12°, 5° and 145°
5) A triangle with the angles: 26°, 125° and 8°
6) A triangle with the angles: 79°, 82° and 4°
7) A triangle with the angles: 22°, 151° and 7°
8) A triangle with the angles: 96°, 34° and 25°
9) A triangle with the angles: 25°, 145° and 10°
10) A triangle with the angles: 129°, 4° and 41°
11) A triangle with the sides: 6mm., 7mm. and 5mm.
12) A triangle with the sides: 7in., 7in. and 10in.
13) A triangle with the sides: 10cm., 10cm. and 10cm.
14) A triangle with the sides: 6cm., 3cm. and 7cm.
15) A triangle with the sides: 6ft., 6ft. and 1ft.
16) A triangle with the sides: 5cm., 7cm. and 4cm.
17) A triangle with the sides: 8cm., 8cm. and 7cm.
18) A triangle with the sides: 10in., 10in. and 8in.
19) A triangle with the sides: 4in., 6in. and 3in.
20) A triangle with the sides: 4mm., 9mm. and 3mm.

Answers
1. p
2. i
3. p
4. i
5. p
6. i
7. p
8. p
9. p
10. p
11. p
12. p
13. p
14. p
15. p
16. p
17. p
18. p
19. p
20. i
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<thead>
<tr>
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<th>Answer Key</th>
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<tr>
<td><strong>Determine if the statement is possible (p) or impossible (i).</strong></td>
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<tr>
<td>1</td>
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