



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

- 1) A triangle with the angles: 32° , 87° and 61° .
- 2) A triangle with the angles: 61° , 44° and 58° .
- 3) A triangle with the angles: 46° , 92° and 35° .
- 4) A triangle with the angles: 42° , 25° and 113° .
- 5) A triangle with the angles: 8° , 3° and 169° .
- 6) A triangle with the angles: 146° , 29° and 5° .
- 7) A triangle with the angles: 42° , 20° and 105° .
- 8) A triangle with the angles: 14° , 143° and 23° .
- 9) A triangle with the angles: 83° , 34° and 54° .
- 10) A triangle with the angles: 35° , 6° and 127° .
- 11) A triangle with the sides: 4ft, 2ft and 5ft.
- 12) A triangle with the sides: 1ft, 1ft and 2ft.
- 13) A triangle with the sides: 2ft, 10ft and 1ft.
- 14) A triangle with the sides: 3in, 3in and 3in.
- 15) A triangle with the sides: 4mm, 6mm and 3mm.
- 16) A triangle with the sides: 7mm, 4mm and 3mm.
- 17) A triangle with the sides: 4in, 6in and 3in.
- 18) A triangle with the sides: 9cm, 2cm and 1cm.
- 19) A triangle with the sides: 4ft, 10ft and 3ft.
- 20) A triangle with the sides: 6cm, 7cm and 8cm.

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
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9. _____
10. _____
11. _____
12. _____
13. _____
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Answers

1. **p**
2. **i**
3. **i**
4. **p**
5. **p**
6. **p**
7. **i**
8. **p**
9. **i**
10. **i**
11. **p**
12. **i**
13. **i**
14. **p**
15. **p**
16. **i**
17. **p**
18. **i**
19. **i**
20. **p**