

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

- 1) A triangle with the angles: 3° , 1° and 176° .
- 2) A triangle with the angles: 7° , 91° and 82° .
- 3) A triangle with the angles: 20° , 36° and 124° .
- 4) A triangle with the angles: 127° , 5° and 48° .
- 5) A triangle with the angles: 59° , 9° and 112° .
- 6) A triangle with the angles: 27° , 39° and 114° .
- 7) A triangle with the angles: 38° , 70° and 50° .
- 8) A triangle with the angles: 98° , 66° and 5° .
- 9) A triangle with the angles: 1° , 148° and 14° .
- 10) A triangle with the angles: 60° , 52° and 51° .
- 11) A triangle with the sides: 3ft, 3ft and 6ft.
- 12) A triangle with the sides: 5cm, 7cm and 4cm.
- 13) A triangle with the sides: 2mm, 6mm and 7mm.
- 14) A triangle with the sides: 5in, 10in and 4in.
- 15) A triangle with the sides: 8in, 8in and 8in.
- 16) A triangle with the sides: 3ft, 3ft and 2ft.
- 17) A triangle with the sides: 8mm, 9mm and 7mm.
- 18) A triangle with the sides: 6ft, 6ft and 6ft.
- 19) A triangle with the sides: 2mm, 2mm and 8mm.
- 20) A triangle with the sides: 1mm, 1mm and 3mm.

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

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

- 1) A triangle with the angles: 3° , 1° and 176° .
- 2) A triangle with the angles: 7° , 91° and 82° .
- 3) A triangle with the angles: 20° , 36° and 124° .
- 4) A triangle with the angles: 127° , 5° and 48° .
- 5) A triangle with the angles: 59° , 9° and 112° .
- 6) A triangle with the angles: 27° , 39° and 114° .
- 7) A triangle with the angles: 38° , 70° and 50° .
- 8) A triangle with the angles: 98° , 66° and 5° .
- 9) A triangle with the angles: 1° , 148° and 14° .
- 10) A triangle with the angles: 60° , 52° and 51° .
- 11) A triangle with the sides: 3ft, 3ft and 6ft.
- 12) A triangle with the sides: 5cm, 7cm and 4cm.
- 13) A triangle with the sides: 2mm, 6mm and 7mm.
- 14) A triangle with the sides: 5in, 10in and 4in.
- 15) A triangle with the sides: 8in, 8in and 8in.
- 16) A triangle with the sides: 3ft, 3ft and 2ft.
- 17) A triangle with the sides: 8mm, 9mm and 7mm.
- 18) A triangle with the sides: 6ft, 6ft and 6ft.
- 19) A triangle with the sides: 2mm, 2mm and 8mm.
- 20) A triangle with the sides: 1mm, 1mm and 3mm.

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