# I. Triplets pythagoriciens :

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|---|---|---|---|---|
| $4^2 + 3^2 = 5^2$ | $8^2 + 6^2 = 10^2$ | $12^2 + 5^2 = 13^2$ | $12^2 + 9^2 = 15^2$ | $15^2 + 8^2 = 17^2$ |
| $16^2 + 12^2 = 20^2$ | $20^2 + 15^2 = 25^2$ | $21^2 + 20^2 = 29^2$ | $24^2 + 7^2 = 25^2$ | $24^2 + 10^2 = 26^2$ |
| $24^2 + 18^2 = 30^2$ | $28^2 + 21^2 = 35^2$ | $30^2 + 16^2 = 34^2$ | $32^2 + 24^2 = 40^2$ | $35^2 + 12^2 = 37^2$ |
| $36^2 + 15^2 = 39^2$ | $36^2 + 27^2 = 45^2$ | $40^2 + 9^2 = 41^2$ | $40^2 + 30^2 = 50^2$ | $42^2 + 40^2 = 58^2$ |
| $44^2 + 33^2 = 55^2$ | $45^2 + 24^2 = 51^2$ | $45^2 + 28^2 = 53^2$ | $48^2 + 14^2 = 50^2$ | $48^2 + 20^2 = 52^2$ |
| $48^2 + 36^2 = 60^2$ | $52^2 + 39^2 = 65^2$ | $55^2 + 48^2 = 73^2$ | $56^2 + 33^2 = 65^2$ | $56^2 + 42^2 = 70^2$ |
| $60^2 + 11^2 = 61^2$ | $60^2 + 25^2 = 65^2$ | $60^2 + 32^2 = 68^2$ | $60^2 + 45^2 = 75^2$ | $63^2 + 16^2 = 65^2$ |
| $63^2 + 60^2 = 87^2$ | $64^2 + 48^2 = 80^2$ | $68^2 + 51^2 = 85^2$ | $70^2 + 24^2 = 74^2$ | $72^2 + 21^2 = 75^2$ |
| $72^2 + 30^2 = 78^2$ | $72^2 + 54^2 = 90^2$ | $72^2 + 65^2 = 97^2$ | $75^2 + 40^2 = 85^2$ | $76^2 + 57^2 = 95^2$ |
| $77^2 + 36^2 = 85^2$ | $80^2 + 18^2 = 82^2$ | $80^2 + 39^2 = 89^2$ | $80^2 + 60^2 = 100^2$ | $84^2 + 13^2 = 85^2$ |
| $84^2 + 35^2 = 91^2$ | $84^2 + 63^2 = 105^2$ | $84^2 + 80^2 = 116^2$ | $88^2 + 66^2 = 110^2$ | $90^2 + 48^2 = 102^2$ |
| $90^2 + 56^2 = 106^2$ | $91^2 + 60^2 = 109^2$ | $92^2 + 69^2 = 115^2$ | $96^2 + 28^2 = 100^2$ | $96^2 + 40^2 = 104^2$ |
| $96^2 + 72^2 = 120^2$ | $99^2 + 20^2 = 101^2$ | $100^2 + 75^2 = 125^2$ | $104^2 + 78^2 = 130^2$ | $105^2 + 36^2 = 111^2$ |
| $105^2 + 56^2 = 119^2$ | $105^2 + 88^2 = 137^2$ | $105^2 + 100^2 = 145^2$ | $108^2 + 45^2 = 117^2$ | $108^2 + 81^2 = 135^2$ |
| $110^2 + 96^2 = 146^2$ | $112^2 + 15^2 = 113^2$ | $112^2 + 66^2 = 130^2$ | $112^2 + 84^2 = 140^2$ | $116^2 + 87^2 = 145^2$ |
| $117^2 + 44^2 = 125^2$ | $120^2 + 22^2 = 122^2$ | $120^2 + 27^2 = 123^2$ | $120^2 + 35^2 = 125^2$ | $120^2 + 50^2 = 130^2$ |
| $120^2 + 64^2 = 136^2$ | $120^2 + 90^2 = 150^2$ | $120^2 + 119^2 = 169^2$ | $124^2 + 93^2 = 155^2$ | $126^2 + 32^2 = 130^2$ |
| $126^2 + 120^2 = 174^2$ | $128^2 + 96^2 = 160^2$ | $132^2 + 55^2 = 143^2$ | $132^2 + 85^2 = 157^2$ | $132^2 + 99^2 = 165^2$ |
| $135^2 + 72^2 = 153^2$ | $135^2 + 84^2 = 159^2$ | $136^2 + 102^2 = 170^2$ | $140^2 + 48^2 = 148^2$ | $140^2 + 51^2 = 149^2$ |
| $140^2 + 105^2 = 175^2$ | $143^2 + 24^2 = 145^2$ | $144^2 + 17^2 = 145^2$ | $144^2 + 42^2 = 150^2$ | $144^2 + 60^2 = 156^2$ |
| $144^2 + 108^2 = 180^2$ | $144^2 + 130^2 = 194^2$ | $147^2 + 140^2 = 203^2$ | $148^2 + 111^2 = 185^2$ | $150^2 + 80^2 = 170^2$ |
| $152^2 + 114^2 = 190^2$ | $153^2 + 104^2 = 185^2$ | $154^2 + 72^2 = 170^2$ | $156^2 + 65^2 = 169^2$ | $156^2 + 117^2 = 195^2$ |
| $156^2 + 133^2 = 205^2$ | $160^2 + 36^2 = 164^2$ | $160^2 + 78^2 = 178^2$ | $160^2 + 120^2 = 200^2$ | $164^2 + 123^2 = 205^2$ |
| $165^2 + 52^2 = 173^2$ | $165^2 + 88^2 = 187^2$ | $165^2 + 144^2 = 219^2$ | $168^2 + 26^2 = 170^2$ | $168^2 + 49^2 = 175^2$ |
| $168^2 + 70^2 = 182^2$ | $168^2 + 95^2 = 193^2$ | $168^2 + 99^2 = 195^2$ | $168^2 + 126^2 = 210^2$ | $168^2 + 160^2 = 232^2$ |
| $171^2 + 140^2 = 221^2$ | $172^2 + 129^2 = 215^2$ | $175^2 + 60^2 = 185^2$ | $176^2 + 57^2 = 185^2$ | $176^2 + 132^2 = 220^2$ |
| $180^2 + 19^2 = 181^2$ | $180^2 + 33^2 = 183^2$ | $180^2 + 75^2 = 195^2$ | $180^2 + 96^2 = 204^2$ | $180^2 + 112^2 = 212^2$ |
| $180^2 + 135^2 = 225^2$ | $182^2 + 120^2 = 218^2$ | $184^2 + 138^2 = 230^2$ | $187^2 + 84^2 = 205^2$ | $188^2 + 141^2 = 235^2$ |
| $189^2 + 48^2 = 195^2$ | $189^2 + 180^2 = 261^2$ | $192^2 + 56^2 = 200^2$ | $192^2 + 80^2 = 208^2$ | $192^2 + 144^2 = 240^2$ |

# II. Triplets primitifs :

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|---|---|---|---|---|
| $4^2 + 3^2 = 5^2$ | $12^2 + 5^2 = 13^2$ | $15^2 + 8^2 = 17^2$ | $21^2 + 20^2 = 29^2$ | $24^2 + 7^2 = 25^2$ |
| $35^2 + 12^2 = 37^2$ | $40^2 + 9^2 = 41^2$ | $45^2 + 28^2 = 53^2$ | $55^2 + 48^2 = 73^2$ | $56^2 + 33^2 = 65^2$ |
| $60^2 + 11^2 = 61^2$ | $63^2 + 16^2 = 65^2$ | $72^2 + 65^2 = 97^2$ | $77^2 + 36^2 = 85^2$ | $80^2 + 39^2 = 89^2$ |
| $84^2 + 13^2 = 85^2$ | $91^2 + 60^2 = 109^2$ | $99^2 + 20^2 = 101^2$ | $105^2 + 88^2 = 137^2$ | $112^2 + 15^2 = 113^2$ |
| $117^2 + 44^2 = 125^2$ | $120^2 + 119^2 = 169^2$ | $132^2 + 85^2 = 157^2$ | $140^2 + 51^2 = 149^2$ | $143^2 + 24^2 = 145^2$ |
| $144^2 + 17^2 = 145^2$ | $153^2 + 104^2 = 185^2$ | $156^2 + 133^2 = 205^2$ | $165^2 + 52^2 = 173^2$ | $168^2 + 95^2 = 193^2$ |
| $171^2 + 140^2 = 221^2$ | $176^2 + 57^2 = 185^2$ | $180^2 + 19^2 = 181^2$ | $187^2 + 84^2 = 205^2$ | $195^2 + 28^2 = 197^2$ |
| $208^2 + 105^2 = 233^2$ | $209^2 + 120^2 = 241^2$ | $220^2 + 21^2 = 221^2$ | $221^2 + 60^2 = 229^2$ | $224^2 + 207^2 = 305^2$ |
| $231^2 + 160^2 = 281^2$ | $240^2 + 161^2 = 289^2$ | $247^2 + 96^2 = 265^2$ | $252^2 + 115^2 = 277^2$ | $253^2 + 204^2 = 325^2$ |
| $255^2 + 32^2 = 257^2$ | $260^2 + 69^2 = 269^2$ | $264^2 + 23^2 = 265^2$ | $272^2 + 225^2 = 353^2$ | $273^2 + 136^2 = 305^2$ |
| $275^2 + 252^2 = 373^2$ | $285^2 + 68^2 = 293^2$ | $288^2 + 175^2 = 337^2$ | $299^2 + 180^2 = 349^2$ | $304^2 + 297^2 = 425^2$ |
| $308^2 + 75^2 = 317^2$ | $312^2 + 25^2 = 313^2$ | $323^2 + 36^2 = 325^2$ | $325^2 + 228^2 = 397^2$ | $340^2 + 189^2 = 389^2$ |
| $345^2 + 152^2 = 377^2$ | $351^2 + 280^2 = 449^2$ | $352^2 + 135^2 = 377^2$ | $357^2 + 76^2 = 365^2$ | $360^2 + 319^2 = 481^2$ |
| $364^2 + 27^2 = 365^2$ | $377^2 + 336^2 = 505^2$ | $380^2 + 261^2 = 461^2$ | $391^2 + 120^2 = 409^2$ | $396^2 + 203^2 = 445^2$ |
| $399^2 + 40^2 = 401^2$ | $403^2 + 396^2 = 565^2$ | $408^2 + 145^2 = 433^2$ | $416^2 + 87^2 = 425^2$ | $420^2 + 29^2 = 421^2$ |
| $420^2 + 341^2 = 541^2$ | $425^2 + 168^2 = 457^2$ | $435^2 + 308^2 = 533^2$ | $437^2 + 84^2 = 445^2$ | $440^2 + 279^2 = 521^2$ |
| $456^2 + 217^2 = 505^2$ | $459^2 + 220^2 = 509^2$ | $460^2 + 429^2 = 629^2$ | $465^2 + 368^2 = 593^2$ | $468^2 + 155^2 = 493^2$ |
| $475^2 + 132^2 = 493^2$ | $476^2 + 93^2 = 485^2$ | $480^2 + 31^2 = 481^2$ | $483^2 + 44^2 = 485^2$ | $493^2 + 276^2 = 565^2$ |
| $513^2 + 184^2 = 545^2$ | $520^2 + 231^2 = 569^2$ | $525^2 + 92^2 = 533^2$ | $527^2 + 336^2 = 625^2$ | $528^2 + 455^2 = 697^2$ |
| $532^2 + 165^2 = 557^2$ | $544^2 + 33^2 = 545^2$ | $551^2 + 240^2 = 601^2$ | $552^2 + 385^2 = 673^2$ | $561^2 + 400^2 = 689^2$ |
| $572^2 + 315^2 = 653^2$ | $572^2 + 555^2 = 797^2$ | $575^2 + 48^2 = 577^2$ | $589^2 + 300^2 = 661^2$ | $595^2 + 468^2 = 757^2$ |
| $600^2 + 481^2 = 769^2$ | $608^2 + 105^2 = 617^2$ | $609^2 + 200^2 = 641^2$ | $612^2 + 35^2 = 613^2$ | $621^2 + 100^2 = 629^2$ |
| $624^2 + 407^2 = 745^2$ | $627^2 + 364^2 = 725^2$ | $629^2 + 540^2 = 829^2$ | $644^2 + 333^2 = 725^2$ | $651^2 + 260^2 = 701^2$ |
| $660^2 + 259^2 = 709^2$ | $663^2 + 616^2 = 905^2$ | $665^2 + 432^2 = 793^2$ | $667^2 + 156^2 = 685^2$ | $672^2 + 185^2 = 697^2$ |
| $675^2 + 52^2 = 677^2$ | $680^2 + 111^2 = 689^2$ | $684^2 + 37^2 = 685^2$ | $697^2 + 696^2 = 985^2$ | $700^2 + 429^2 = 821^2$ |
| $703^2 + 504^2 = 865^2$ | $713^2 + 216^2 = 745^2$ | $725^2 + 108^2 = 733^2$ | $728^2 + 615^2 = 953^2$ | $736^2 + 273^2 = 785^2$ |
| $741^2 + 580^2 = 941^2$ | $748^2 + 195^2 = 773^2$ | $756^2 + 533^2 = 925^2$ | $759^2 + 280^2 = 809^2$ | $760^2 + 39^2 = 761^2$ |
| $775^2 + 168^2 = 793^2$ | $777^2 + 464^2 = 905^2$ | $779^2 + 660^2 = 1021^2$ | $780^2 + 451^2 = 901^2$ | $780^2 + 731^2 = 1069^2$ |
| $783^2 + 56^2 = 785^2$ | $800^2 + 369^2 = 881^2$ | $805^2 + 348^2 = 877^2$ | $812^2 + 645^2 = 1037^2$ | $816^2 + 287^2 = 865^2$ |
| $817^2 + 744^2 = 1105^2$ | $825^2 + 232^2 = 857^2$ | $828^2 + 205^2 = 853^2$ | $836^2 + 123^2 = 845^2$ | $837^2 + 116^2 = 845^2$ |