

$$(\text{odd cathetus})^2 + (\text{even cathetus})^2 = (\text{hypotenuse})^2$$

$3^2 + 4^2 = 5^2$ (\leftarrow these form the so-called *Egyptian triangle*, known by the pyramid builders)

$$5^2 + 12^2 = 13^2$$

$$15^2 + 8^2 = 17^2$$

$$7^2 + 24^2 = 25^2$$

$$21^2 + 20^2 = 29^2$$

$$9^2 + 40^2 = 41^2$$

$$35^2 + 12^2 = 37^2$$

$$11^2 + 60^2 = 61^2$$

$$45^2 + 28^2 = 53^2$$

$$33^2 + 56^2 = 65^2$$

$$13^2 + 84^2 = 85^2$$

$$63^2 + 16^2 = 65^2$$

$$55^2 + 48^2 = 73^2$$

$$39^2 + 80^2 = 89^2$$

$$15^2 + 112^2 = 113^2$$

$$77^2 + 36^2 = 85^2$$

$$65^2 + 72^2 = 97^2$$

$$17^2 + 144^2 = 145^2$$

$$99^2 + 20^2 = 101^2$$

$$91^2 + 60^2 = 109^2$$

$$51^2 + 140^2 = 149^2$$

$$19^2 + 180^2 = 181^2$$

$$117^2 + 44^2 = 125^2$$

$$105^2 + 88^2 = 137^2$$

$$85^2 + 132^2 = 157^2$$

$$57^2 + 176^2 = 185^2$$

$$21^2 + 220^2 = 221^2$$

$$143^2 + 24^2 = 145^2$$

$$119^2 + 120^2 = 169^2$$

$$95^2 + 168^2 = 193^2$$

$$23^2 + 264^2 = 265^2$$

$$165^2 + 52^2 = 173^2$$

$$153^2 + 104^2 = 185^2$$

$$133^2 + 156^2 = 205^2$$

$$105^2 + 208^2 = 233^2$$

$$\begin{aligned}
69^2 + 260^2 &= 269^2 \\
25^2 + 312^2 &= 313^2 \\
195^2 + 28^2 &= 197^2 \\
187^2 + 84^2 &= 205^2 \\
171^2 + 140^2 &= 221^2 \\
115^2 + 252^2 &= 277^2 \\
75^2 + 308^2 &= 317^2 \\
27^2 + 364^2 &= 365^2 \\
221^2 + 60^2 &= 229^2 \\
209^2 + 120^2 &= 241^2 \\
161^2 + 240^2 &= 289^2 \\
29^2 + 420^2 &= 421^2 \\
255^2 + 32^2 &= 257^2 \\
247^2 + 96^2 &= 265^2 \\
231^2 + 160^2 &= 281^2 \\
207^2 + 224^2 &= 305^2 \\
175^2 + 288^2 &= 337^2 \\
135^2 + 352^2 &= 377^2 \\
87^2 + 416^2 &= 425^2 \\
31^2 + 480^2 &= 481^2 \\
285^2 + 68^2 &= 293^2 \\
273^2 + 136^2 &= 305^2 \\
253^2 + 204^2 &= 325^2 \\
225^2 + 272^2 &= 353^2 \\
189^2 + 340^2 &= 389^2 \\
145^2 + 408^2 &= 433^2 \\
93^2 + 476^2 &= 485^2 \\
33^2 + 544^2 &= 545^2 \\
323^2 + 36^2 &= 325^2 \\
299^2 + 180^2 &= 349^2 \\
275^2 + 252^2 &= 373^2 \\
203^2 + 396^2 &= 445^2 \\
155^2 + 468^2 &= 493^2 \\
35^2 + 612^2 &= 613^2 \\
357^2 + 76^2 &= 365^2 \\
345^2 + 152^2 &= 377^2 \\
325^2 + 228^2 &= 397^2 \\
297^2 + 304^2 &= 425^2
\end{aligned}$$

$$\begin{aligned}
261^2 + 380^2 &= 461^2 \\
217^2 + 456^2 &= 505^2 \\
165^2 + 532^2 &= 557^2 \\
105^2 + 608^2 &= 617^2 \\
37^2 + 684^2 &= 685^2 \\
399^2 + 40^2 &= 401^2 \\
391^2 + 120^2 &= 409^2 \\
351^2 + 280^2 &= 449^2 \\
319^2 + 360^2 &= 481^2 \\
279^2 + 440^2 &= 521^2 \\
231^2 + 520^2 &= 569^2 \\
111^2 + 680^2 &= 689^2 \\
39^2 + 760^2 &= 761^2 \\
437^2 + 84^2 &= 445^2 \\
425^2 + 168^2 &= 457^2 \\
377^2 + 336^2 &= 505^2 \\
341^2 + 420^2 &= 541^2 \\
185^2 + 672^2 &= 697^2 \\
41^2 + 840^2 &= 841^2 \\
483^2 + 44^2 &= 485^2 \\
475^2 + 132^2 &= 493^2 \\
459^2 + 220^2 &= 509^2 \\
435^2 + 308^2 &= 533^2 \\
403^2 + 396^2 &= 565^2 \\
315^2 + 572^2 &= 653^2 \\
259^2 + 660^2 &= 709^2 \\
195^2 + 748^2 &= 773^2 \\
123^2 + 836^2 &= 845^2 \\
43^2 + 924^2 &= 925^2 \\
525^2 + 92^2 &= 533^2 \\
513^2 + 184^2 &= 545^2 \\
493^2 + 276^2 &= 565^2 \\
465^2 + 368^2 &= 593^2 \\
429^2 + 460^2 &= 629^2 \\
385^2 + 552^2 &= 673^2 \\
333^2 + 644^2 &= 725^2 \\
273^2 + 736^2 &= 785^2 \\
205^2 + 828^2 &= 853^2
\end{aligned}$$

$$\begin{aligned}
129^2 + 920^2 &= 929^2 \\
45^2 + 1012^2 &= 1013^2 \\
575^2 + 48^2 &= 577^2 \\
551^2 + 240^2 &= 601^2 \\
527^2 + 336^2 &= 625^2 \\
455^2 + 528^2 &= 697^2 \\
407^2 + 624^2 &= 745^2 \\
287^2 + 816^2 &= 865^2 \\
215^2 + 912^2 &= 937^2 \\
47^2 + 1104^2 &= 1105^2 \\
621^2 + 100^2 &= 629^2 \\
609^2 + 200^2 &= 641^2 \\
589^2 + 300^2 &= 661^2 \\
561^2 + 400^2 &= 689^2 \\
481^2 + 600^2 &= 769^2 \\
429^2 + 700^2 &= 821^2 \\
369^2 + 800^2 &= 881^2 \\
301^2 + 900^2 &= 949^2 \\
141^2 + 1100^2 &= 1109^2 \\
49^2 + 1200^2 &= 1201^2 \\
675^2 + 52^2 &= 677^2 \\
667^2 + 156^2 &= 685^2 \\
651^2 + 260^2 &= 701^2 \\
627^2 + 364^2 &= 725^2 \\
595^2 + 468^2 &= 757^2 \\
555^2 + 572^2 &= 797^2 \\
451^2 + 780^2 &= 901^2 \\
387^2 + 884^2 &= 965^2 \\
315^2 + 988^2 &= 1037^2 \\
235^2 + 1092^2 &= 1117^2 \\
147^2 + 1196^2 &= 1205^2 \\
51^2 + 1300^2 &= 1301^2 \\
725^2 + 108^2 &= 733^2 \\
713^2 + 216^2 &= 745^2 \\
665^2 + 432^2 &= 793^2 \\
629^2 + 540^2 &= 829^2 \\
533^2 + 756^2 &= 925^2 \\
473^2 + 864^2 &= 985^2
\end{aligned}$$

$$329^2 + 1080^2 = 1129^2$$

$$245^2 + 1188^2 = 1213^2$$

$$53^2 + 1404^2 = 1405^2$$

N.B. that the lengths of the even cathetus and the hypotenuse are consecutive integers (as 1404 and 1405) always when the corresponding seed numbers m and n (see the <http://planetmath.org/PythagoreanTripletparent> entry) are successive integers.