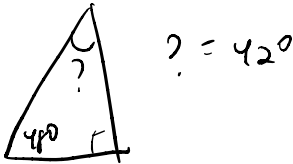
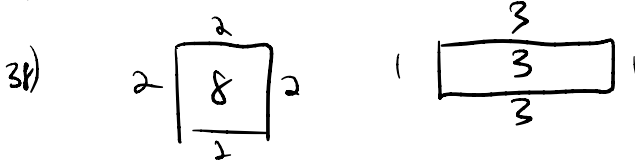


19) B. 42



32) 5 - 12 - 13

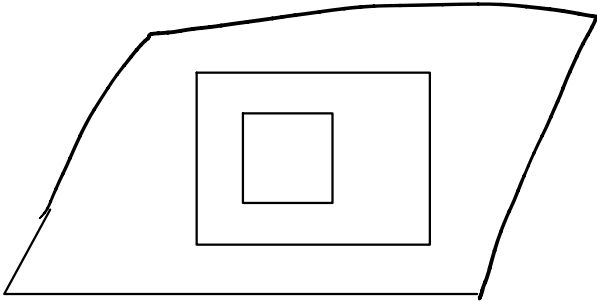


Square maximizes
area over rectangle

parallelogram: 2 pairs of parallel sides

rectangle: parallelogram with only right angles

square: rectangle with 4 equal sides



square \subseteq rectangle \subseteq parallelogram

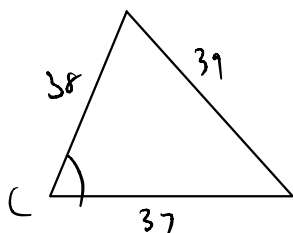
44) 0 - 9 10 numbers

1 - 100 100

100 - 1 + 1

0 - 0 + 1

49)



Law of Cosine: always write it out

$$c^2 = a^2 + b^2 - 2ab \cos C$$

$$c^2 - a^2 - b^2 = -2ab \cos C$$

$$\cos C = \frac{c^2 - a^2 - b^2}{-2ab}$$

$$C = \cos^{-1} \left(\frac{c^2 - a^2 - b^2}{-2ab} \right)$$

56) { 8, 29, 4, 53 }

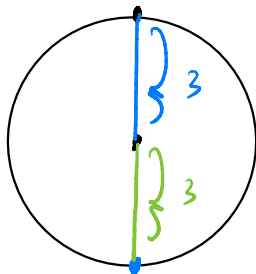
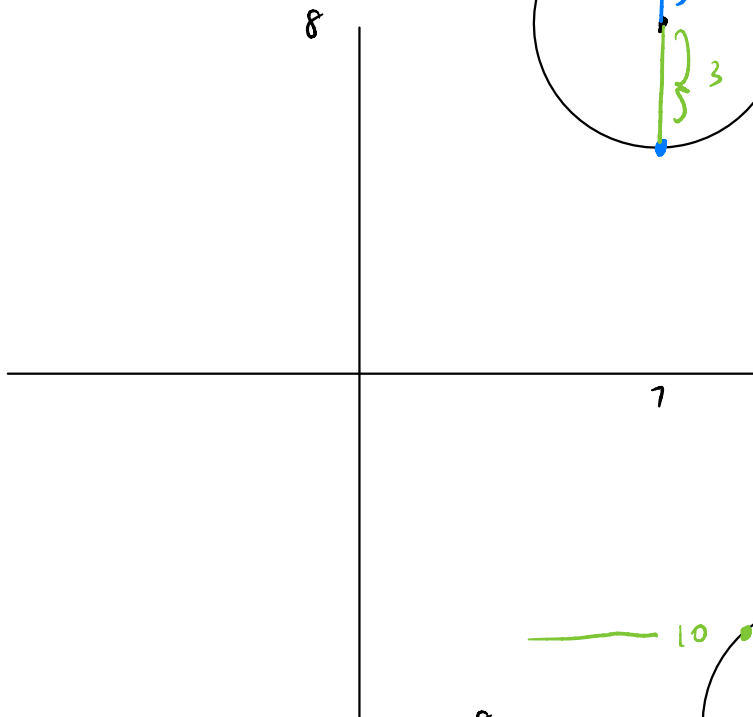
{ 8, 29, 47, 53 }

6.) 10

57) A 48 \Rightarrow square

Realize it on wrong path,
then skip and come
back

58)



ALWAYS
DRAW
PICTURE
FOR
GEOMETRY

