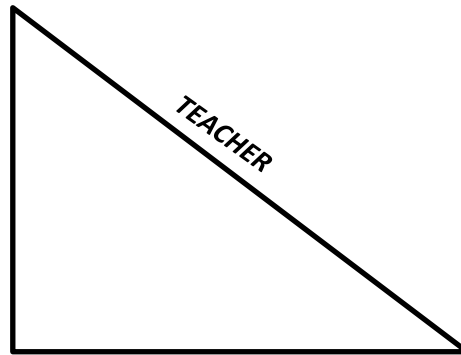


CLUE 1

Determine the length of the side labeled **TEACHER**. Once you determine which teacher has the correct answer go to the envelope outside their door to get your next clue.

The length of this side is equal to the number of Harry Potter novels



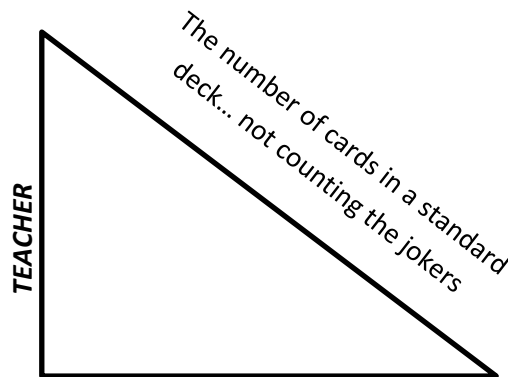
The length of this side is equal to the number varieties of pickles that Heinz once had.

Mrs. Loznak
TEACHER = 56.6 UNITS

Mr. Fromson
TEACHER = 57.4 UNITS

CLUE 2

Determine the length of the side labeled **TEACHER**. Once you determine which teacher has the correct answer go to the envelope outside their door to get your next clue.



The number of members in the band One Direction

Mrs. Wells
TEACHER = 51.8 UNITS

Mrs. Smith
TEACHER = 52.2 UNITS

CLUE 3

Read the following statements made by these four teachers. Your next clue is hanging outside the door of the one that has perfectly put the Pythagorean Theorem into words.

Mr. Schmidt (8th grade room)

In any triangle, the sum of the legs squared is equal to the hypotenuse squared.

Mrs. Howard

In any triangle, the sum of the legs is equal to the hypotenuse

Mrs. VanNorman

In a right triangle, the sum of the legs squared is equal to the hypotenuse squared.

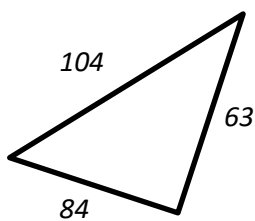
Mrs. Lonsberry

In a right triangle, the sum of the legs is equal to the hypotenuse

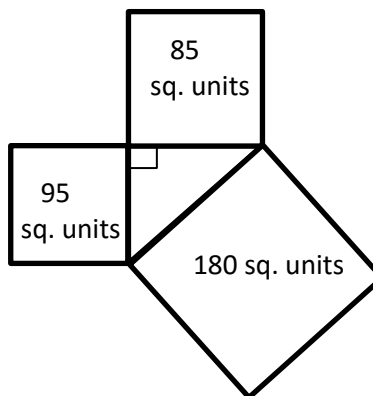
CLUE 4

Based on the converse of the Pythagorean Theorem determine if the following are right triangles.

1.



2.



3. 21, 45, $\sqrt{1584}$

Mrs. Menard

N, Y, Y

Mrs. Brewer

Y, Y, Y

Mrs. Fisher (7th grade room)

N, Y, N

CLUE 5

Determine the length of the side labeled **PRINCIPAL**. Once you determine which principal has the correct answer go to the envelope outside their door to get your next clue.

a = **PRINCIPAL**

b = The year 7-up was created

c = The year Diet Coke was invented

Mrs. DiOrio

TEACHER = 455.3 UNITS

Mr. Kemsley

TEACHER = 2765.7 UNITS

CLUE 6

Determine the length of the side labeled **TEACHER**. Once you determine which teacher has the correct answer go to the envelope outside their door to get your next clue.

a = How many guns are used to salute a royal birth in Great Britain

b = Number of states listed across the top of the Lincoln Memorial on the back of a \$5 bill

c = **TEACHER**

Mrs. Jorae

TEACHER = 33.4 UNITS

Mrs. Harry

TEACHER = 67.2 UNITS

CLUE 7

Sketch a diagram to determine the answer to the following question.

A helicopter rose vertically 500 meters and then flew west 1200 meters. How far is the helicopter from its starting point?

Mrs. Matson

1300 meters

Ms. Guerrero

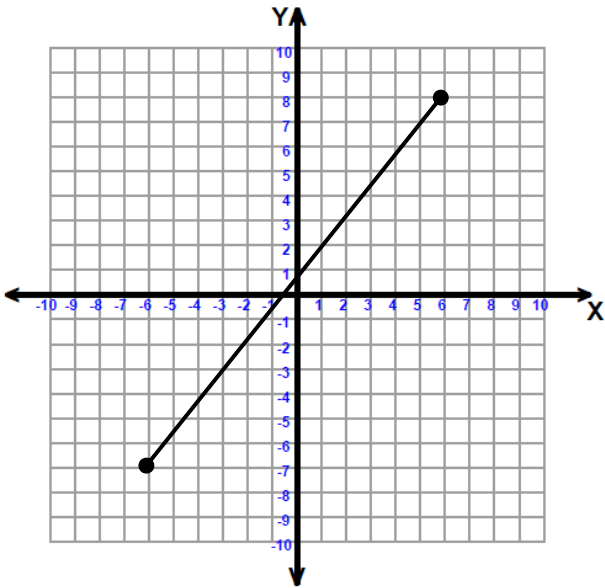
1090.9 meters

Mrs. Drabek

700 meters

CLUE 8

Determine the length of the line on the coordinate plane.

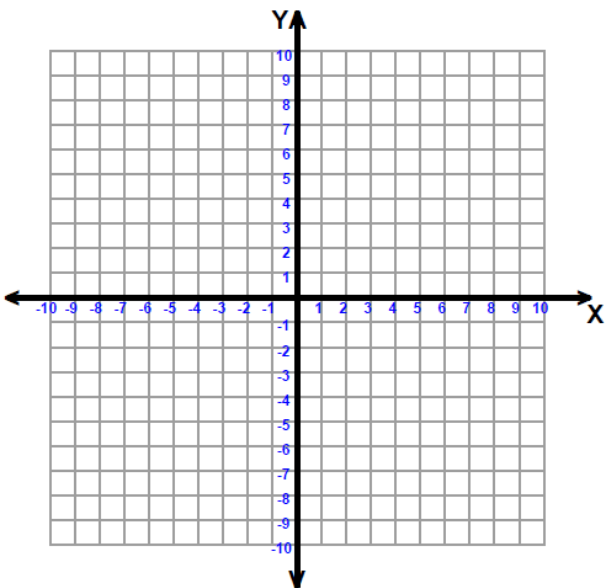


Mr. Scholes (Band)
19.2 UNITS

Mrs. Weber
20.6 UNITS

CLUE 9

Determine the distance between the points $(-6, -9)$ & $(8, 8)$ on the coordinate plane.



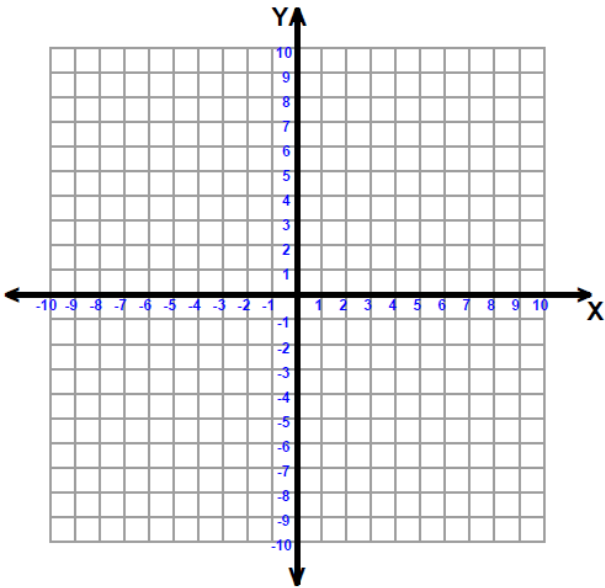
Mr. Heethuis
23.4 units

Mrs. Swab
22.0 units

Mrs. Keck
2.2 units

CLUE 10

Determine the distance between the points $(-3, 8)$ & $(9, -6)$ on the coordinate plane.



Mrs. Toomey
19.1 units

Mrs. Eller (Choir)
22.0 units

Ms. Dreffs
18.4 units