

Warm-up: Geometry

1/21

Simplify (no decimals).

1.) $\sqrt{44} = \underline{\hspace{2cm}}$

2.) $\sqrt{18} = \underline{\hspace{2cm}}$

3.) Identify the perfect square and explain why it's a perfect square.

a.) 14

b.) 12

c.) 24

d.) 25

$$5 \times 5 = 25$$

Jan 20-4:30 PM

Solutions to P.W.: Pythagorean Thm. Worksheet

1) $2\sqrt{21}$

11) 20km

21) 43.9yd

3) 4

13) 12in

23) 90.5in

5) $3\sqrt{5}$

15) 62.2in

25) 28.9ft

7) 8

17) 97.3km

9) $6\sqrt{2}$

19) 88.2yd

Jan 20-4:39 PM

Agenda:

Warm-up

P.W. solutions (odds)

* Video release form *

Class-work

Exit ticket

P.W.

Jan 21-1:35 PM

W.A.L.T.:

Apply our understanding of Pythagorean Theorem.

W.A.S.I.:

We can solve real-world problems using the theorem.

Jan 20-4:35 PM

In-Class Work:

1.) Casey travels from her house 8 miles directly west to the bank and then directly north 15 miles from the bank to the mall. She then travels home on the road connecting the mall and her house. What is her total distance traveled?

Jan 20-4:38 PM

In-Class Work:

2.) Marcus leans a 12 ft ladder against a wall to clean a window. If the base of the ladder is 3 ft away from the wall, how high up does the ladder reach? Round to the nearest tenth.

Jan 20-4:38 PM

Exit ticket:

Grab a piece of paper that you will turn in. Put your name on it.

1.) When is it best to use the Pythagorean Theorem?

- a.) With any triangle
- b.) With some triangles
- c.) With right triangles only
- d.) With any shape

2.) What is the opposite of squaring a number?

- a.) dividing
- b.) making fractions
- c.) squaring again
- d.) taking square root

Jan 20-4:38 PM

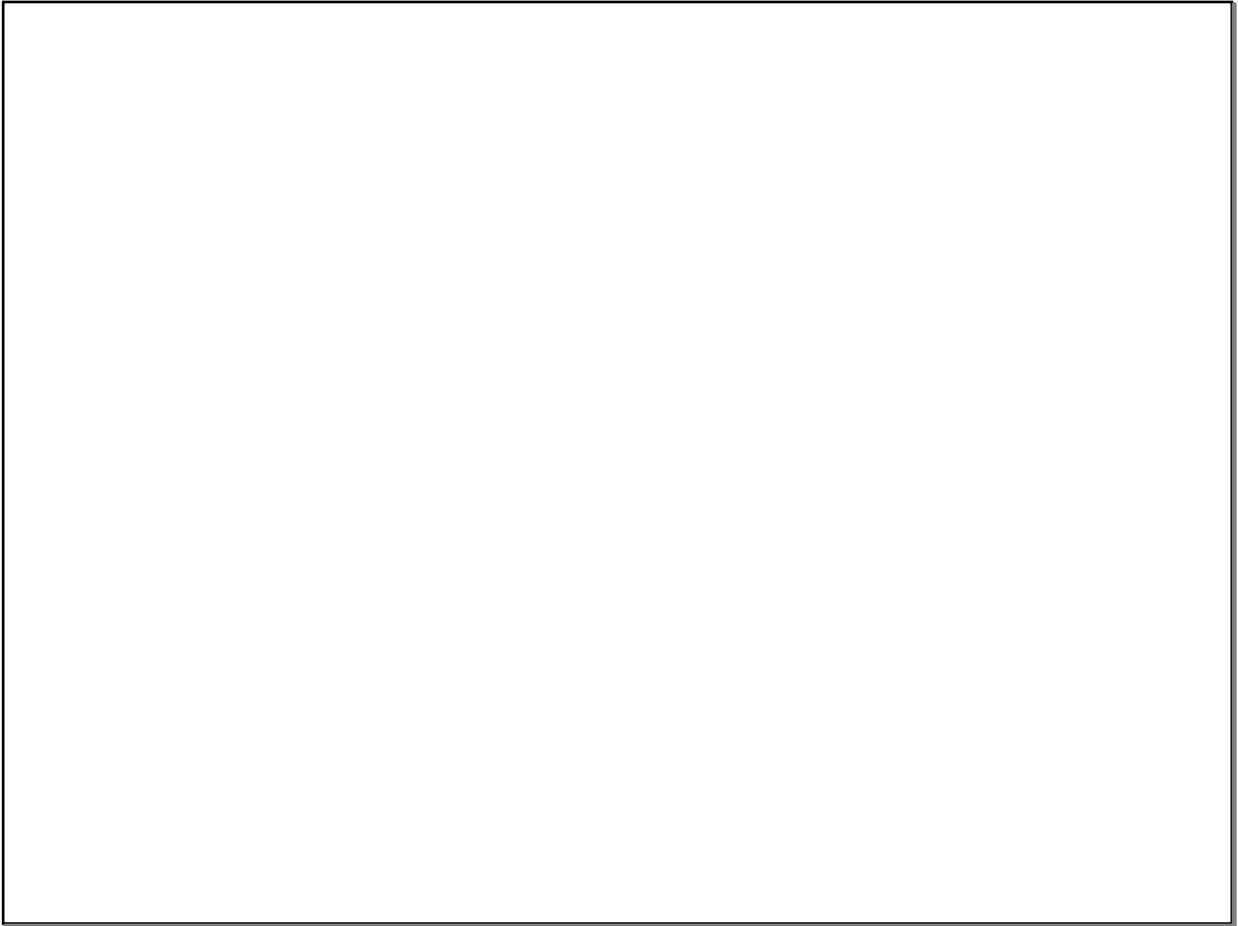
P.W.:

Assignment #2

Work on finishing the Pythagorean Thm. worksheet (even problems), due Thursday!

Video Forms due NOW!!!!!!!!!!

Jan 20-5:09 PM



Jan 21-1:51 PM