

12-16-13
5th Geo

If the radius of a circle is 20 cm, what is the circumference?

$$C = \pi d$$
$$C = \pi \cdot 40$$
$$C = 40\pi$$

If the perimeter of a square is 40, what is its area?



Give the equation that is \perp to $y = \frac{1}{2}x + 3$ and goes through $(2, 7)$.

$$y - y_1 = m(x - x_1) \quad \perp m = -2$$
$$y - 7 = -2(x - 2)$$
$$y - 7 = -2x + 4$$
$$\begin{array}{r} y - 7 = -2x + 4 \\ +7 \quad \quad +7 \\ \hline y = -2x + 11 \end{array}$$

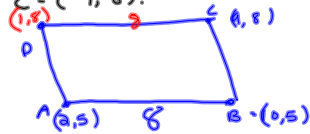
$\vee \rightarrow$ or

$\wedge \rightarrow$ and

ABCD is a parallelogram.

$A = (2, 5)$ $B = (10, 5)$

$C = (9, 8)$. Find D.



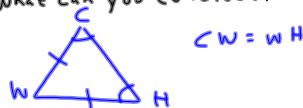
Give equation \perp to $y = -2x + 1$

$$y = \frac{1}{2}x + \square$$

Linear pair

Vertical \angle 's

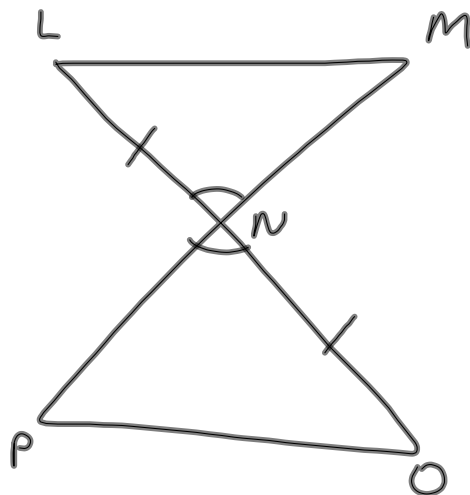
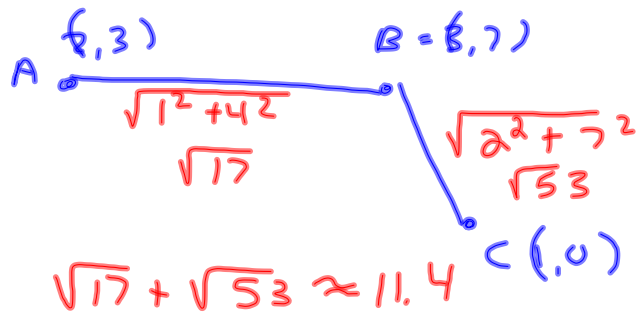
In $\triangle CWH$, $\angle H = \angle C$.
What can you conclude?



Give slope from $(1, 7)$
to $(-1, 17)$.

$$\text{slope} = \frac{\Delta y}{\Delta x} = \frac{17-7}{-1-1} = \frac{10}{-2} = -5$$

$A = (2, 3)$ Find distance
 $B = (3, 7)$ from A to B
 $C = (1, 0)$ then to C.

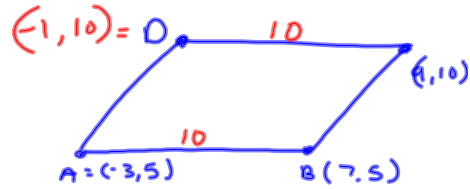


What must be true to
prove $\triangle LMN \cong \triangle OPN$ by
ASA $\angle L = \angle O$ AAS $\angle P = \angle M$

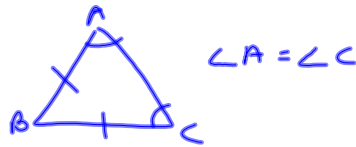
12-16-13

6th Geo

ABCD is a parallelogram with $A = (-3, 5)$ $B = (7, 5)$ $C = (9, 10)$. Where is D?



In $\triangle ABC$, $AB = BC$. Which angles must be equal?



Give the equation that goes through $(2, 4)$ and is \perp to $y = -2x + 1$.

$$m = -2$$

$$\perp m = \frac{1}{2}$$

$$y - y_1 = m(x - x_1)$$

$$y - 4 = \frac{1}{2}(x - 2)$$

$$y - 4 = \frac{1}{2}x - 1$$

$$\frac{y - 4}{+4} = \frac{\frac{1}{2}x - 1}{-1}$$

$$y = \frac{1}{2}x + 3$$

Which is a possible isosceles

a.) $2, 2, 5$ $\overset{\curvearrowright}{\curvearrowleft}$ $0 \rightarrow 4$

b.) $4, 4, 7$ $\overset{\curvearrowright}{\curvearrowleft}$ $0 \rightarrow 8$

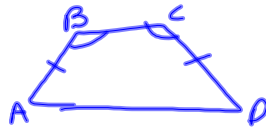
c.) $6, 6, 12$ $\overset{\curvearrowright}{\curvearrowleft}$ $0 \rightarrow 12$

d.) all are isosceles

Find the slope between $(-1, 2)$ and $(1, 12)$.

$$\text{slope} = \frac{\Delta y}{\Delta x} = \frac{12 - 2}{1 - (-1)} = \frac{10}{2} = 5$$

In isosceles trapezoid
 $ABCD$, $AB = CD$. $\angle B$
 must be congruent to $\angle C$.

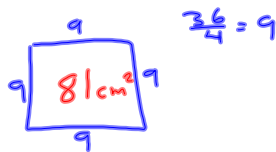


If radius of a circle
 is 10 cm, what is the
 circumference?

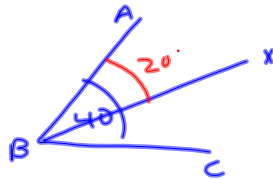
$$C = \pi \cdot d$$

$$20\pi$$

What is the area of a
 square whose perimeter
 is 36 cm?



\overrightarrow{BX} bisects $\angle ABC$.
 If $\angle ABC = 40^\circ$, what is $\angle ABX$?



$$A = (1, 2) \quad B = (3, 5)$$

$$C = (4, 10)$$

If I drive from town
 A to B and then to
 town C, how far have
 I traveled?

