"If you have a laptop, then you have a computer" is represented by p → q.
What is the symbolic representation of "If you have a computer, then you don't have a laptop"?

$q \rightarrow \sim p$

If AB – NP = BC – NP, then AB = BC demonstrates what property?

Addition

In my class, everyone plays either golf or tennis.
14 play golf and 8 play tennis.
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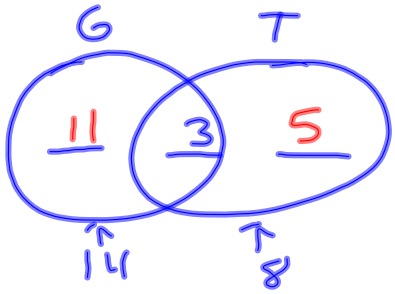

Total = 19

What is the midpoint of a line that has endpoints at (-2, -3) and (8, -1)?

$(-2, -3)$
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$\left(\frac{-2+8}{2}, \frac{-3+-1}{2}\right)$

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What is the area of a circle with a radius of 6 cm?

$A = \pi r^2$

$= \pi \cdot 6^2$

$36\pi \approx 113.1 \text{ cm}^2$

The contrapositive of "if you have a dog, you like cats" is "if you don't like cats, you love dogs."

don't have

Give the equation in slope intercept form that goes through (2, 4) and is parallel to the line $y = 5x - 3$.

$m = 5$

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

$y - 4 = 5(x - 2)$

$y - 4 = 5x - 10$

$+4 \quad +4$

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Two sides of a triangle are 4 cm and 10 cm. What is a possible measurement of the third side?

A. 8 cm

B. 2 cm

C. 15 cm

D. 14 cm

4, 10 $6 < m < 14$

If ABCD is a parallelogram with

$\angle A = 7x$ and $\angle B = 3x - 20$,

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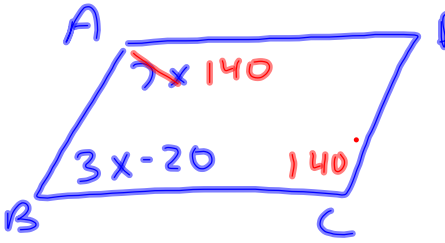

$7x + 3x - 20 = 180$

$x = 20$

Opposite angles are not always congruent in a

Diagonals are always perpendicular in a

What is the distance from (1, 5) to (7, 6)?

$D = \sqrt{\Delta x^2 + \Delta y^2}$

$= \sqrt{6^2 + 1^2} = \sqrt{37} \approx 6.1$

If BCDE is congruent to OPQR, then $\overline{DE}$ is congruent to $\overline{QR}$?

$\cong$

Which of the following quadrilaterals could have diagonals that are congruent but do not bisect each other?

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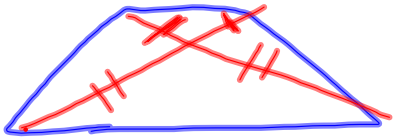

What is the perimeter of a triangle with the following vertices:
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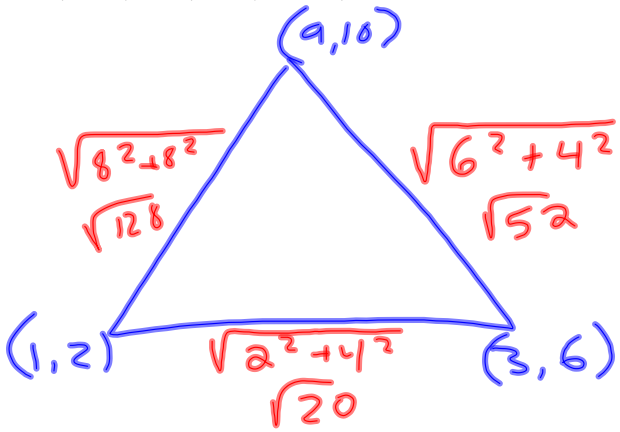
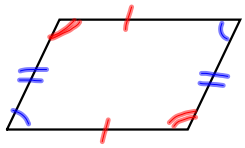


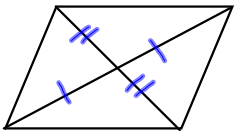
$\sqrt{128} + \sqrt{20} + \sqrt{52} \approx 23$

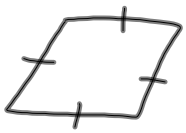
Let A = (7, 8), B = (9, 13), and C = (10, 14).
How far is it to go from A to B and then to C?

Same idea

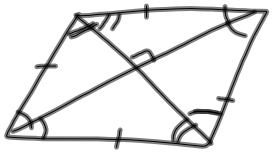


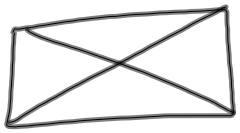
parallelogram



Rhombus 

① Diagonals are $\perp$ to each other
② Diagonals bisect the angles





Rectangle

Diagonals are same length

$a \wedge b \rightarrow$ and

$a \vee b \rightarrow$ or

$\longleftrightarrow$ if and only if

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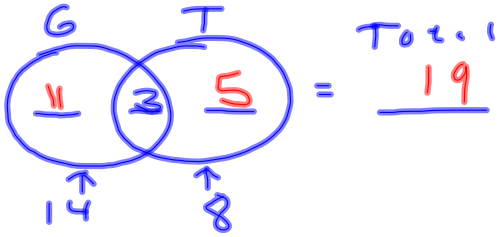

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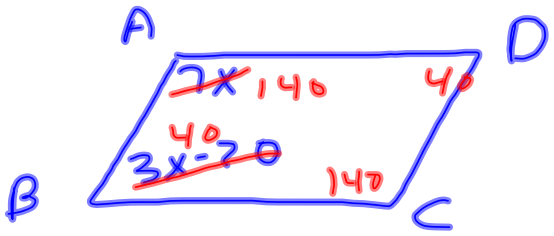

Opposite angles are not always congruent in a trapezoid

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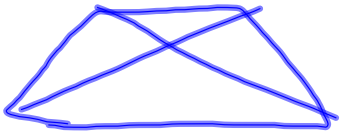

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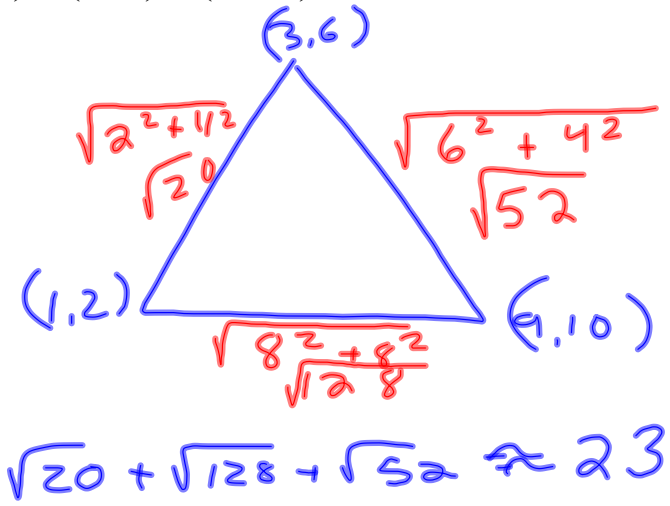

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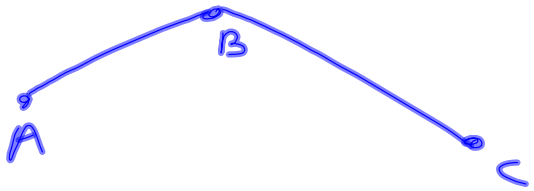
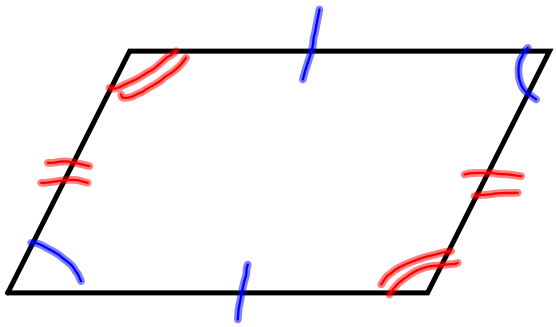
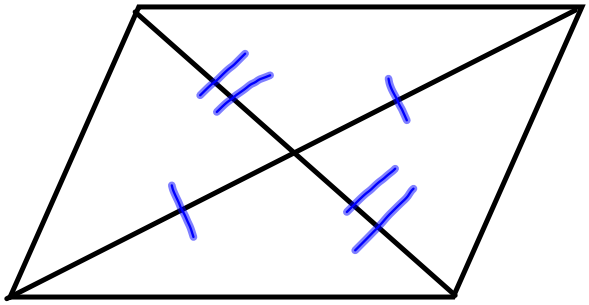
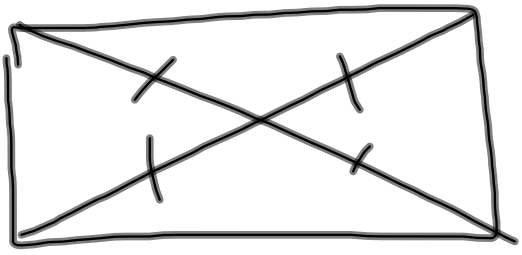


Parallelogram







Rectangle- diagonals are =