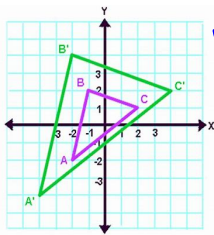


Rigid Motion: 100 Point Answer

These types of figures are created by the depicted transformation.



What are Similar figures?

BOARD

Rigid Motion: 200 Point Answer

The point G", if point G (3,-4) is rotated 90° CW about the origin and then translated (x+4, y-2).

What is G''(0,-5)?

BOARD

Rigid Motion: 300 Point Answer

The coordinates of A if A' is (9, -13) after the transformation $(x,y) \rightarrow (y,-x)$

What is A(13,9)?

BOARD

Rigid Motion: 400 Point Answer

The transformation that would map A(-2,3) B(3,1) C(5,-2) to A'(-3,-2) B'(-1,3) C'(2,5)

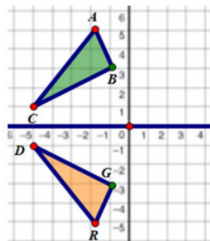
What is a rotation of 90° ccw about the origin?

BOARD

Rigid Motion: 500 Point Answer

Two of the methods that would map ABC onto RGD.

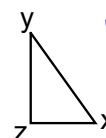
*What are a reflection over the x-axis, and rotation of 90° ccw about the origin, then reflect over y=x.
* many others are possible.*



BOARD

RTT and Similarity: 100 Point Answer

The sin(x) if cos(y)=12/13.

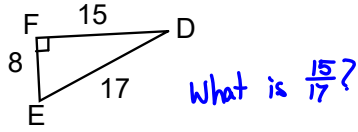


What is 12/13?

BOARD

RTT and Similarity: 200 Point Answer

The value of the $\cos(D)$.

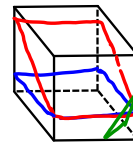


BOARD

RTT and Similarity: 300 Point Answer

Volume Surprise

Three cross sections that can be found in a Cube

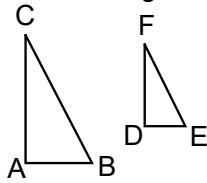


Square
Rectangle
Triangle
What is,
Any polygon up to hexagon - six sides!

BOARD

RTT and Similarity: 400 Point Answer

The three statements that are true about the triangles, if $ABC \sim DEF$ *What is a,d,e?*

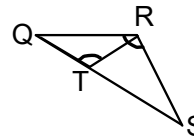


- a. $\sin(C) = \cos(E)$
- b. $\cos(F) = \sin(C)$
- c. $\tan(E) = \tan(C)$
- d. $\tan(B) = \tan(E)$
- e. $\sin(B) = \sin(E)$

BOARD

RTT and Similarity: 500 Point Answer

The similarity statement for the given triangles.

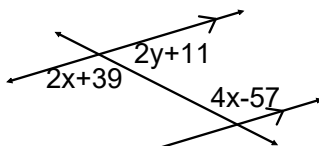


What is
 $\triangle QRS \sim \triangle QTR$

BOARD

Parallel: 100 Point Answer

The values of x and y .



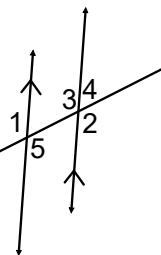
What is $x = 48$ and $y = 17$

BOARD

Parallel: 200 Point Answer

The relationships between the following angle pairs

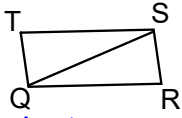
- 1 and 2 *What is* Alternate Ext.
- 3 and 2 Vertical angles
- 4 and 1 Same side int.
- 5 and 3 Alternate int.



BOARD

Parallel: 300 Point Answer

The relationship between angle QST and angle SQR in parallelogram QRST.

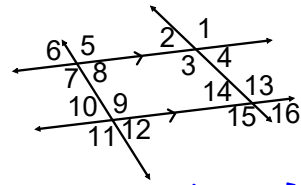


What is alternate interiors?

BOARD

Parallel: 400 Point Answer

All angles congruent to angle 1.

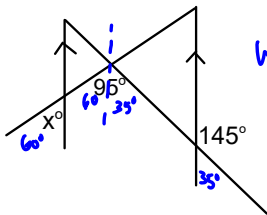


What are angles 3, 13, and 15?

BOARD

Parallel: 500 Point Answer

The value of x in the diagram.



What is 60?

BOARD

Circles: 100 Point Answer

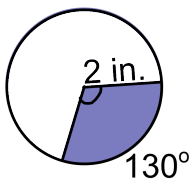
The relationship between all circles (congruent, similar, both, neither).

What is similar?

BOARD

Circles: 200 Point Answer

The sector area of the shaded region.



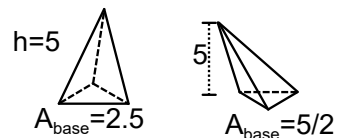
What is $\frac{13\pi}{9}$ in²?

BOARD

Circles: 300 Point Answer

VOLUME SUPRISE

The comparison between the shapes volumes (congruent or not congruent)

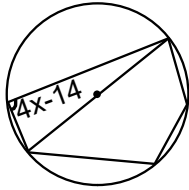


What is congruent?

BOARD

Circles: 400 Point Answer

The value of x in the following image.

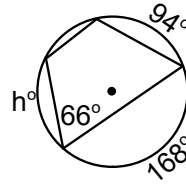


What is 26?

BOARD

Circles: 500 Point Answer

The value of h.



What is 60?

BOARD

Probability: 100 Point Answer

A set of pens was placed in a drawer. There were 10 red pens, 11 blue pens, and 9 black pens. This is the probability that a black or blue pen will be drawn at random.

What is $\frac{20}{30} = \frac{2}{3} = 0.\overline{66} = 66.7\%$?

BOARD

Probability: 200 Point Answer

The equation that would be used to find the probability of event Q happening given that R occurred, if Q and R are dependent events.

What is $P(Q|R) = \frac{P(Q \text{ and } R)}{P(R)}$?

BOARD

Probability: 300 Point Answer

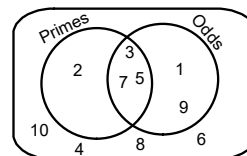
A set of pens was placed in a drawer. There were 10 red pens, 11 blue pens, and 9 black pens. This is the probability that a black pen will be taken out, handed to a student, and then blue pen will be taken out at random.

What is $\frac{33}{246}$?

BOARD

Probability: 400 Point Answer

The set that contains {1,9,10,4,8,6,2} ex. P'={1,9,10,4,8,6}



What is (Prime ∩ Odds) or Prime 'U' Odds?

BOARD

Probability: 500 Point Answer

The conditional probability that results in 71.9% from the below table.

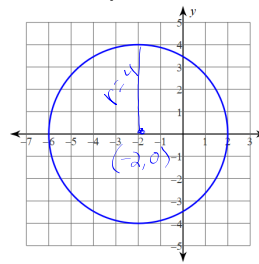
	PASS	FAIL
FINAL	23	9
EOC	20	12

What is $P(\text{Pass}|\text{Final})$?

BOARD

Coordinate Plane: 100 Point Answer

The equation of the graphed circle.



$(x + 2)^2 + y^2 = 16$

BOARD

Coordinate Plane: 200 Point Answer

The coordinates that partition a line segment HI into a ratio of 2:1 from H(-3, 4) to I(6, 7).

$a:b$ x_1, y_1 x_2, y_2

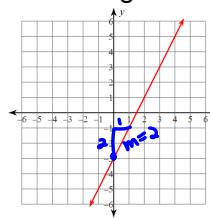
$(x,y) = \left(\frac{1(-3) + 2(6)}{1+2}, \frac{1(4) + 2(7)}{1+2} \right)$

What is $(x,y) = (3, 6)$?

BOARD

Coordinate Plane: 300 Point Answer

The equation of a line parallel to the given line that goes through (2,5).



what is
 $y = 2x + b \rightarrow y = 2x + 1$
 $5 = 2(2) + b$
 $5 = 4 + b$
 $1 = b$

BOARD

Coordinate Plane: 400 Point Answer

The equation of a circle with center at (-10,14) and a point on the circle of (-7, 12).

What is $(x + 10)^2 + (y - 14)^2 = 13$?

BOARD

Coordinate Plane: 500 Point Answer

Two equations that would form a parallelogram with lines $y=3x-2$ and $y=-1/2x+14$

What is $y=3x+b$ and $y=-1/2x+b$?
 Where b is any value but -2 or 14.

BOARD

