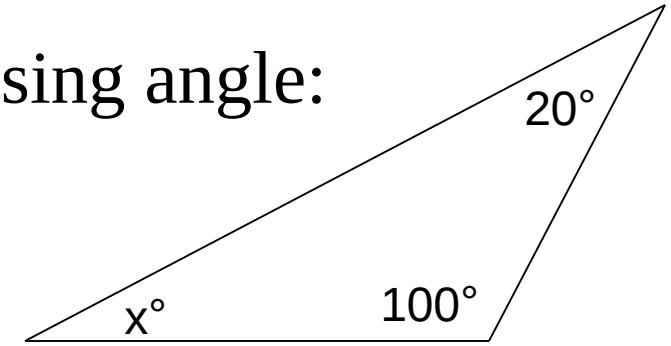
November 4, 2015

1. Find the missing angle:

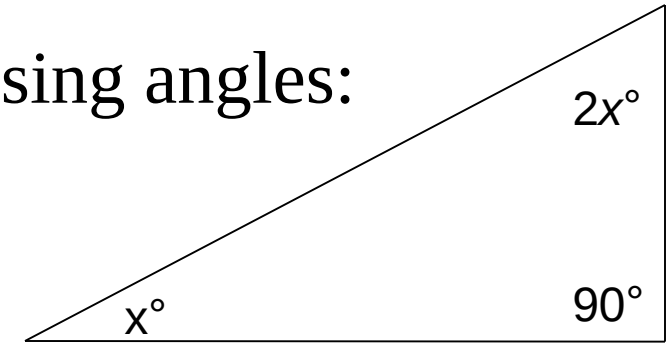


2. Find the next term in the sequence:

1, 10, 55, 280, ___

November 5, 2015

1. Find the missing angles:

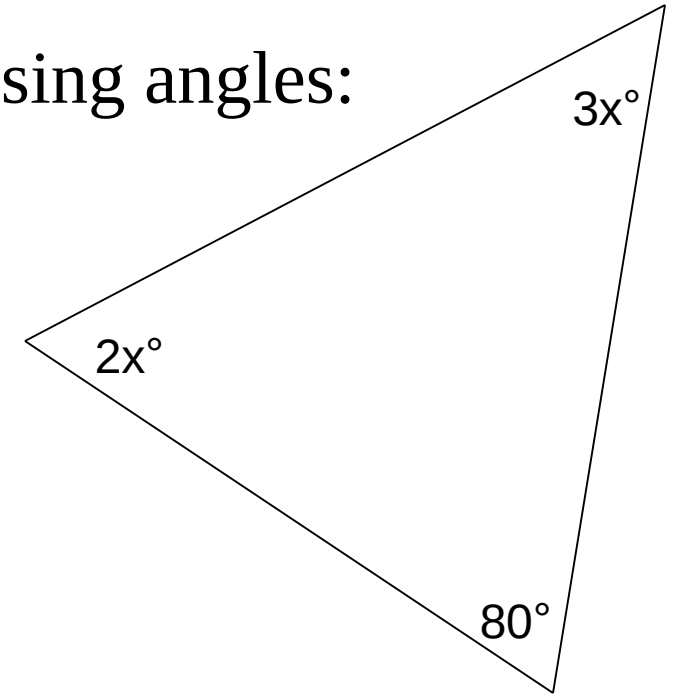


2. Find the next term in the sequence:

1, 4, 13, 40, ___

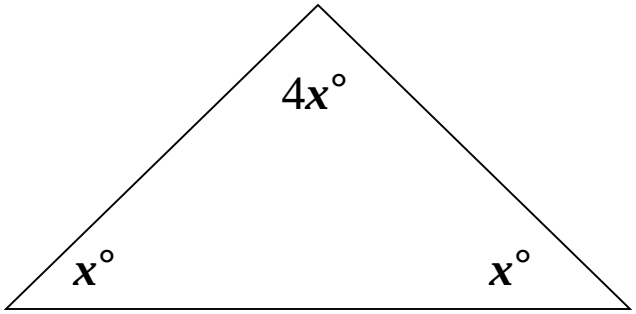
November 6, 2015

1. Find the missing angles:



November 9, 2015

1. Find each angle:

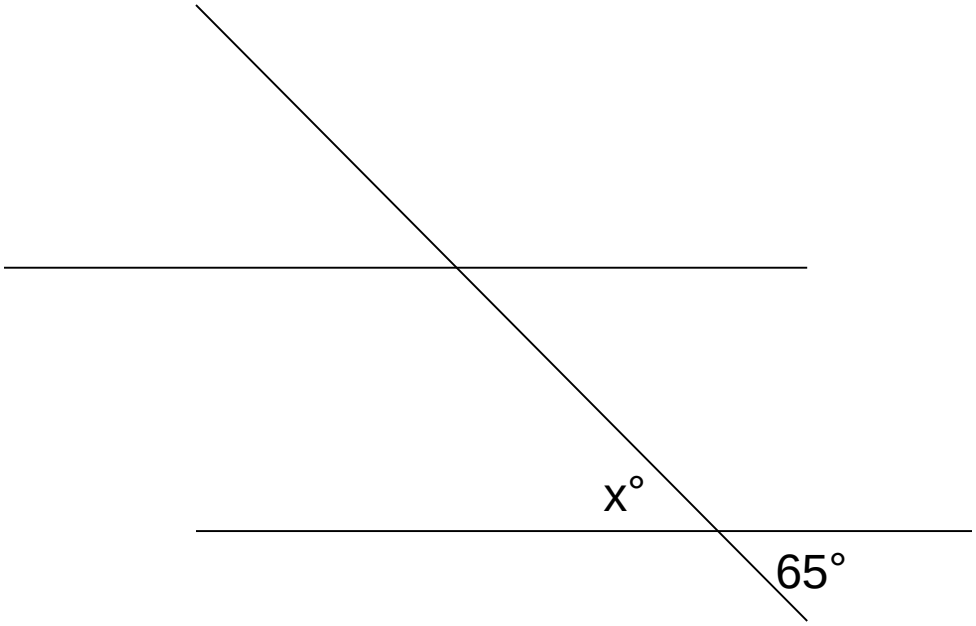


2. Find the next term in the sequence:

0.25, 0.5, 1, 2, 4, 8, ___

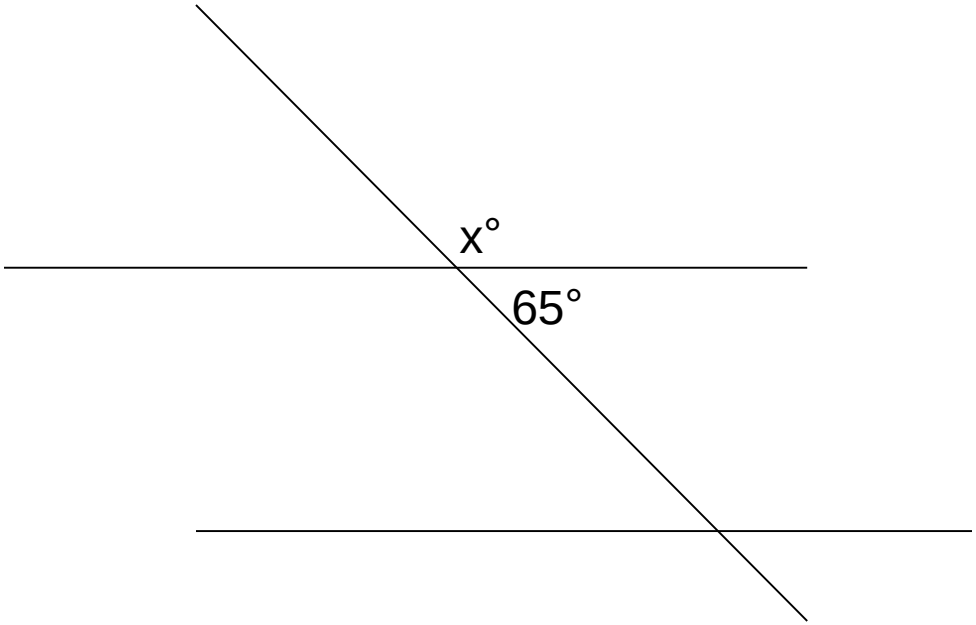
November 10, 2015

1. Find the missing angles:



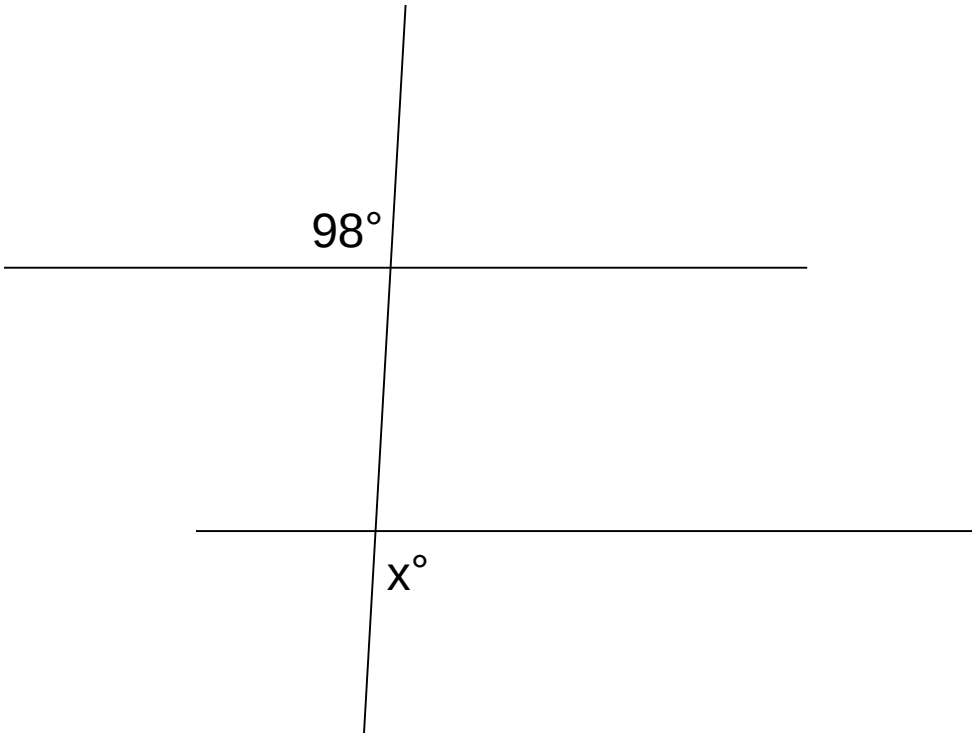
November 12, 2015

1. Find the missing angle:



November 13, 2015

1. Find the missing angle:



November 16, 2015

1. Find the linear equation of a line that passes through the following 2 points.

   (3, 8) and (5, 18)

November 17, 2015

1. Find the linear equation of a line that passes through the following 2 points.

   (2, 10) and (4, 6)

November 18, 2015

1. Find the linear equation of a line that passes through the following 2 points.

   (2, -6) and (7, -6)

November 19, 2015

1. Find the linear equation of a line that passes through the following 2 points.

   (3, 0) and (3, 5)

November 20, 2015

1. Solve for ***x***:

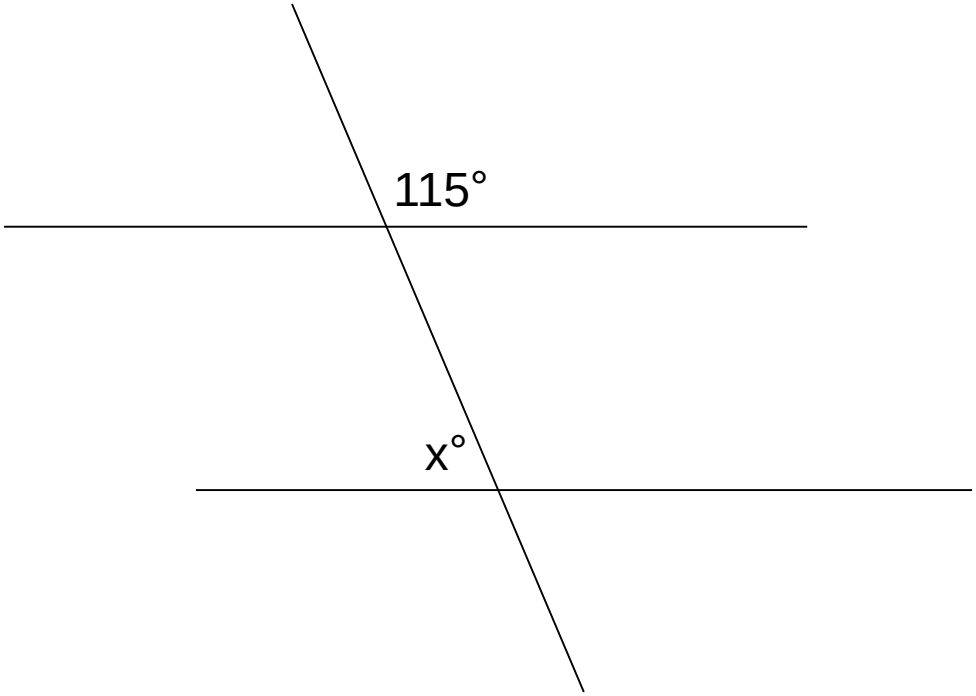
$$\frac{3}{5}(x-20)=15$$

December 2, 2015

1. Trinity the cricket is caught in a windstorm. At 5:00pm she is 500 cm away from her home. Every time she jumps toward home, she jumps 50 cm, but before she regains enough strength to jump again, she is blown back 40 cm. If it takes a full minute between jumps, at what time will Trinity get home?

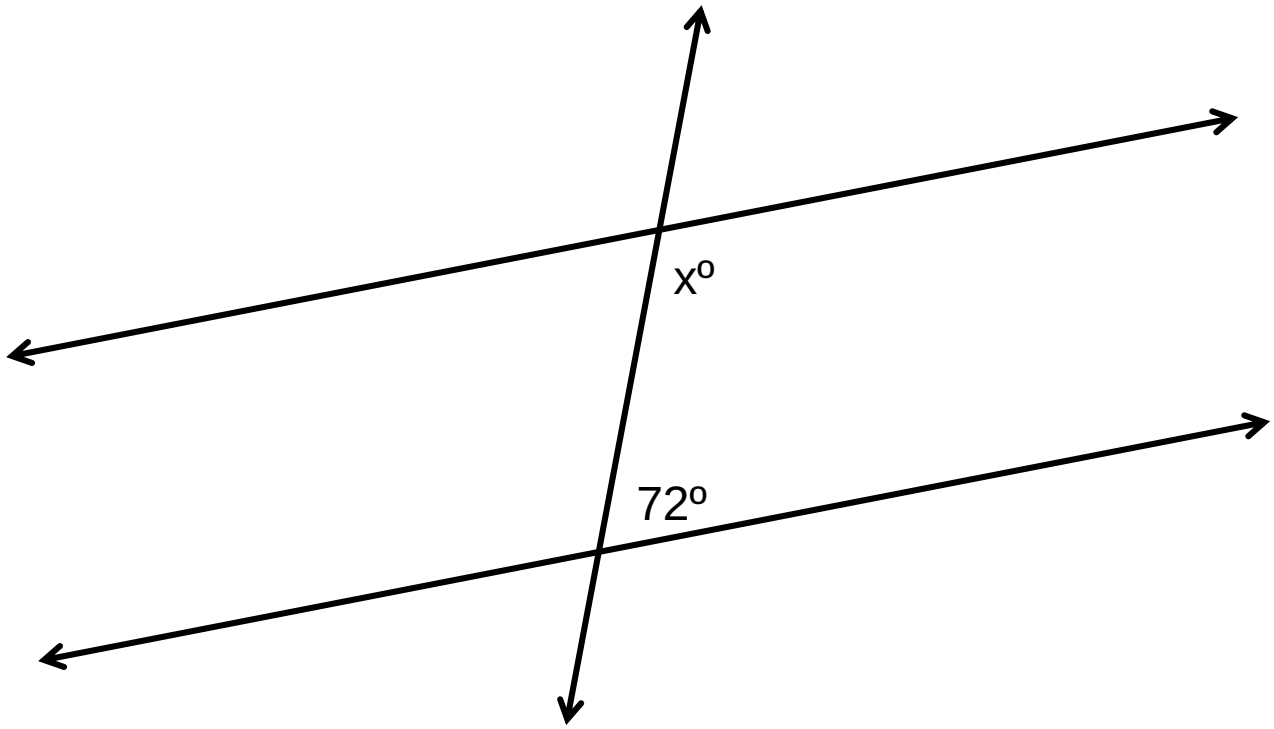
December 3, 2015

1. Find the missing angles:



December 4, 2015

1. Find the missing angle:



December 7, 2015

1. What is the total number of outfit combinations that can be made from the following set of clothes? You must pick only one item from each category.

December 8, 2015

1. Define: Perpendicular

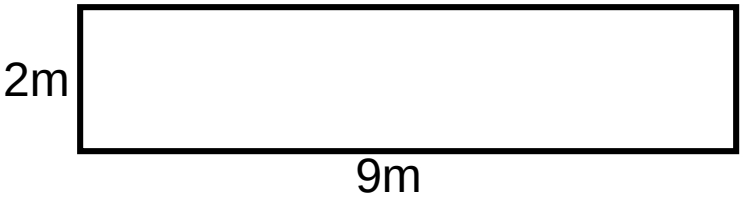
2. Define: Parallel

3. Define: Skew Lines

December 9, 2015

1. Convert $\frac{1}{3}$ to a percent.

2. What is the <u>area</u> of the following figure?

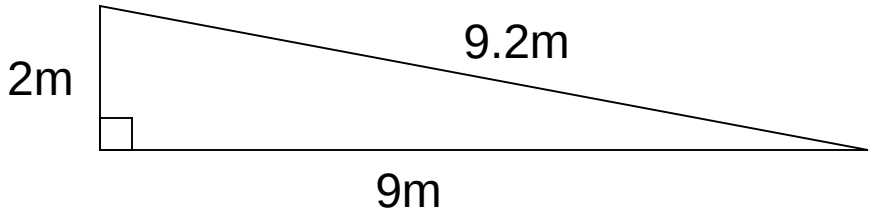


3. Define: Complementary Angles

December 11, 2015

1. Convert $\frac{4}{9}$ to a percent.

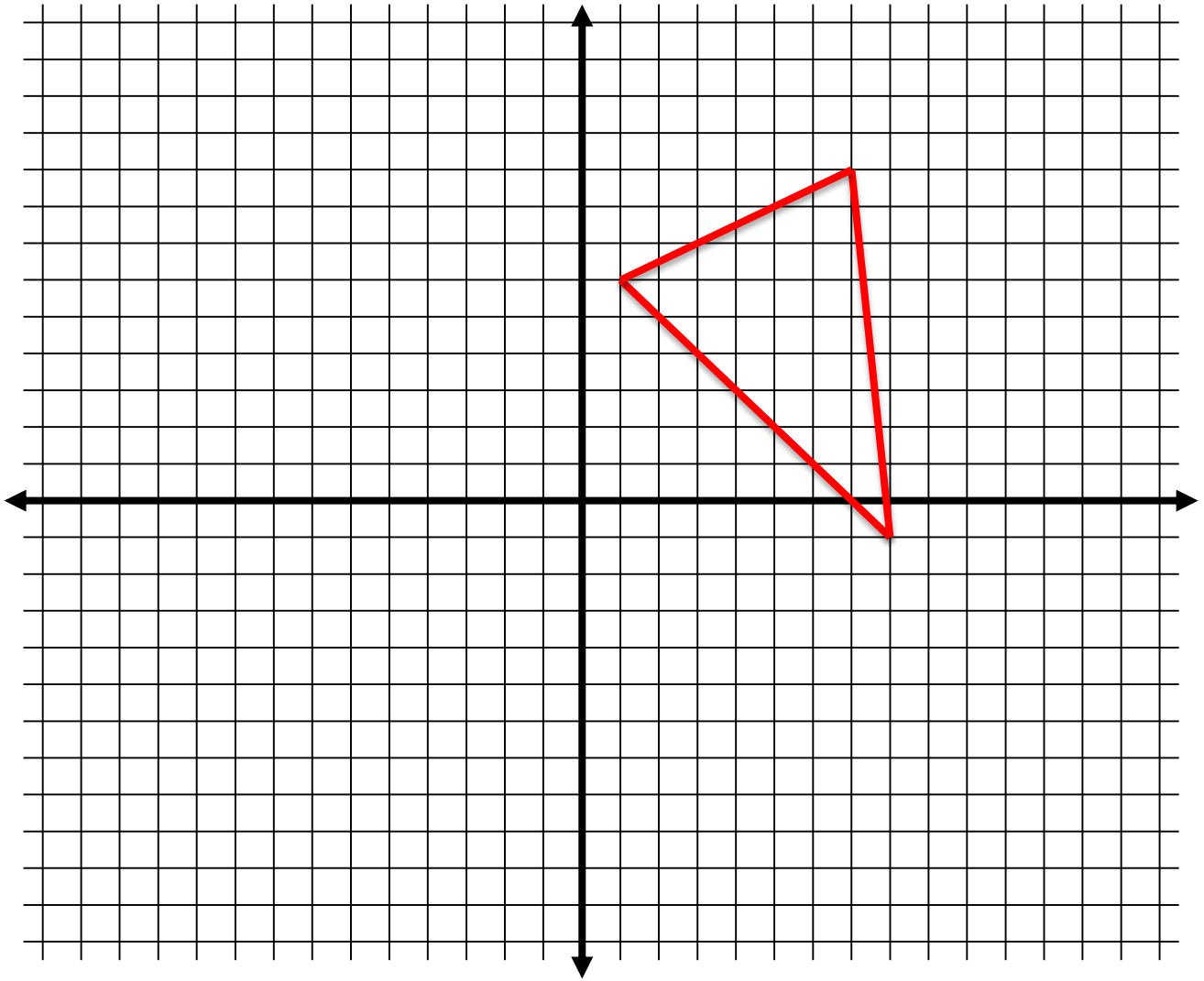
2. What is the area of the following figure?



3. Define: Supplementary Angles

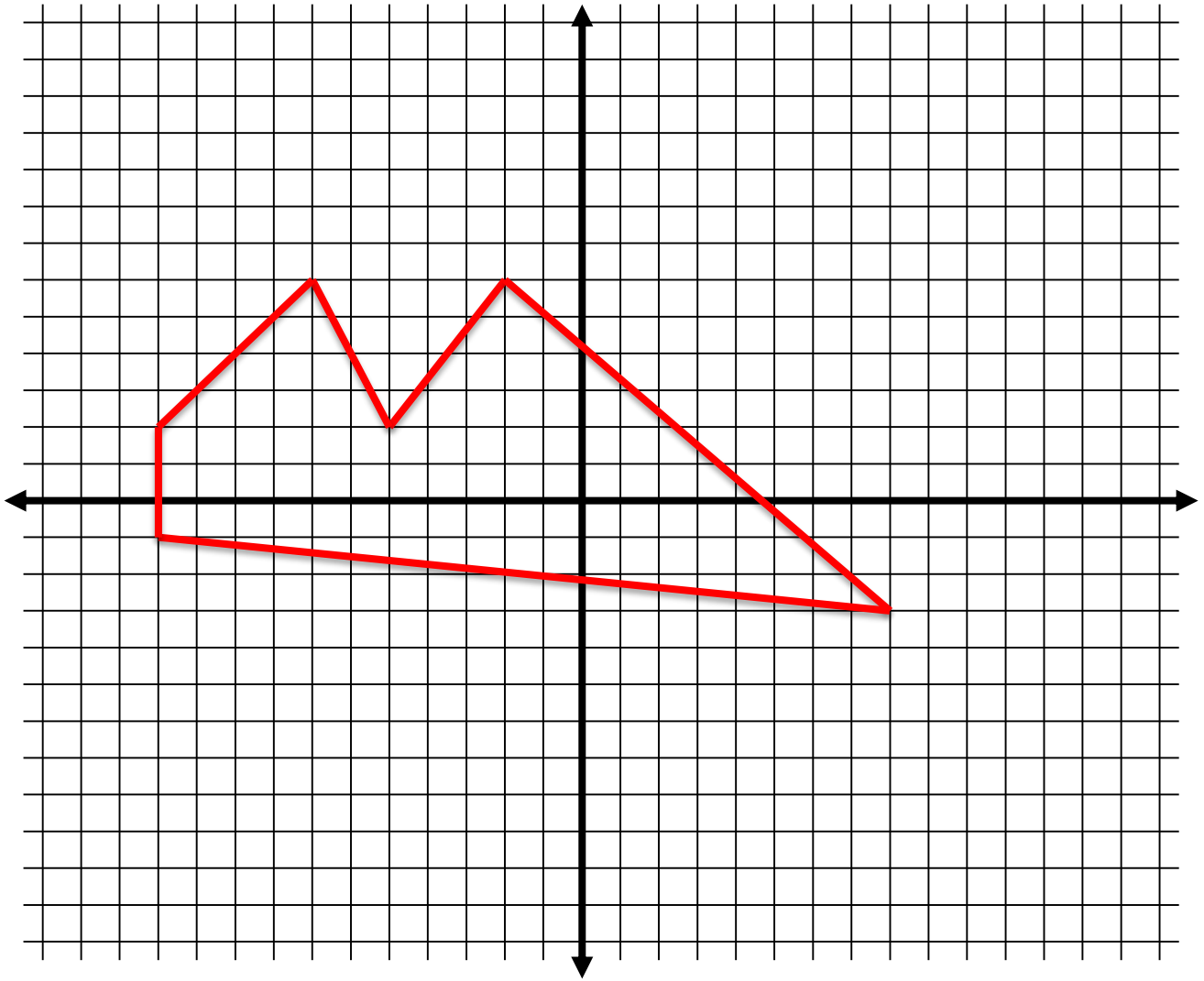
December 14, 2015

1. Find the area of the shape.



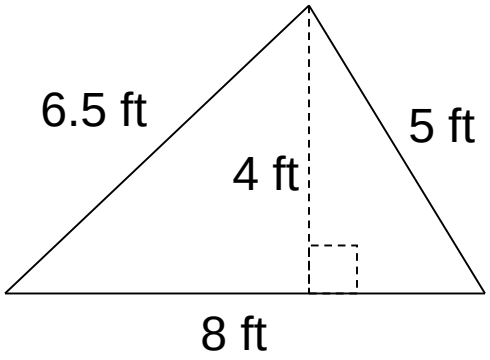
December 15, 2015

1. Find the area of the shape.



December 16, 2015

1. What is the area of the following shape?



December 17, 2015

1. Solve: $\frac{5}{x} = \frac{12}{60}$

2. Ten is what percent of 18?

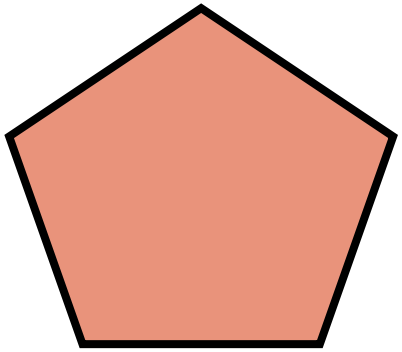
December 18, 2015

1. Solve for x:

$$29 = -3x + 8$$

December 21, 2015

1. What is the sum of the angles inside a pentagon?



Hint: Use your formula sheet.

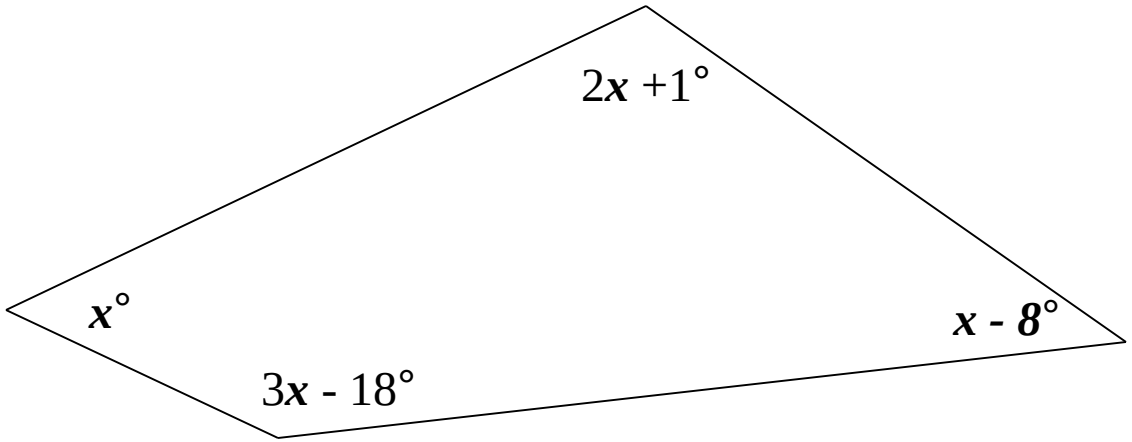
December 22, 2015

10 Fun Facts:

1. **You can't wash your eyes with soap.**
2. **You can't count your hair.**
3. **You can't breathe through your nose, with your tongue out.**
4. **You just tried number 3.**
6. **When you did number 3, you realized it's possible, only you look like a dog.**
7. **You're smiling right now because you were fooled.**
8. **You skipped number 5.**
9. **You just checked to see if there is a number 5.**
10. **What is the sum of all the numbers?**

January 4, 2016

1. Find each angle:



January 5, 2016

1. What is the sum of the interior angles of a decagon?

January 6&7, 2016

1. What is the sum of the interior angles of a nonagon?

January 8, 2016

1. What is the sum of the interior angles of a heptagon?

January 11, 2016

1. Which expression has a value between -4 and -3?

A. $1 - 2\sqrt{10}$

B. $4 - \sqrt{15}$

C. $3\sqrt{5} - 7$

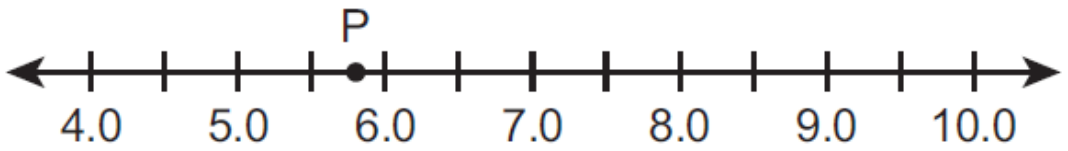
D. $\sqrt{20} - 8$

Try without a calculator first.
Then check it with your calculator.

January 12, 2016

1. Try the following problem without a calculator first. Then check it with your calculator.

On the number line below, point P shows the location of an irrational number.



Which expression has a value that is **greater** than the irrational number represented by point P?

A. $\sqrt{7} - 1$

B. $2\sqrt{7}$

C. $4 + \sqrt{7}$

D. $7 - \sqrt{7}$

January 13, 2016

1.

Solve: $x^2 = 144$

A. $x = 12$

B. $x = \pm 12$

C. $x = 72$

D. $x = \pm 72$

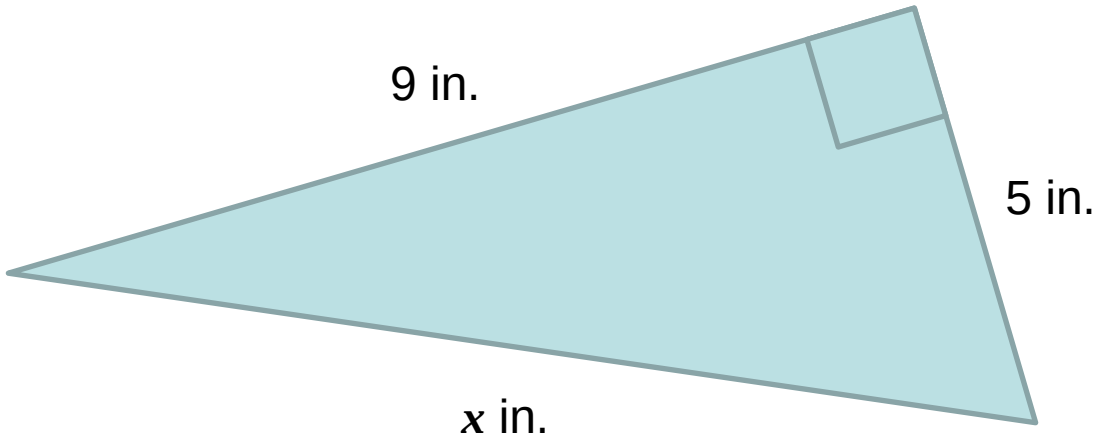
January 14, 2016

1. Solve for ***x***:

$$x^2 + 8 = 72$$

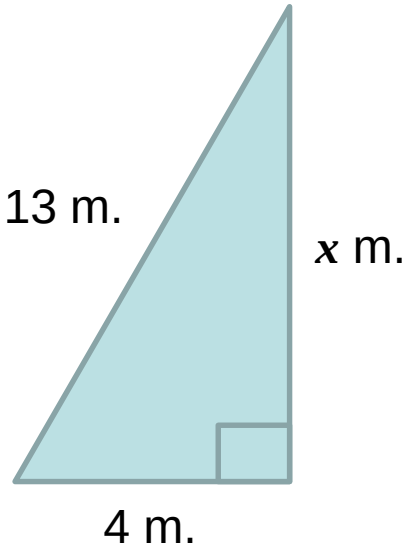
January 15, 2016

1. Find the missing side length in the triangle below.



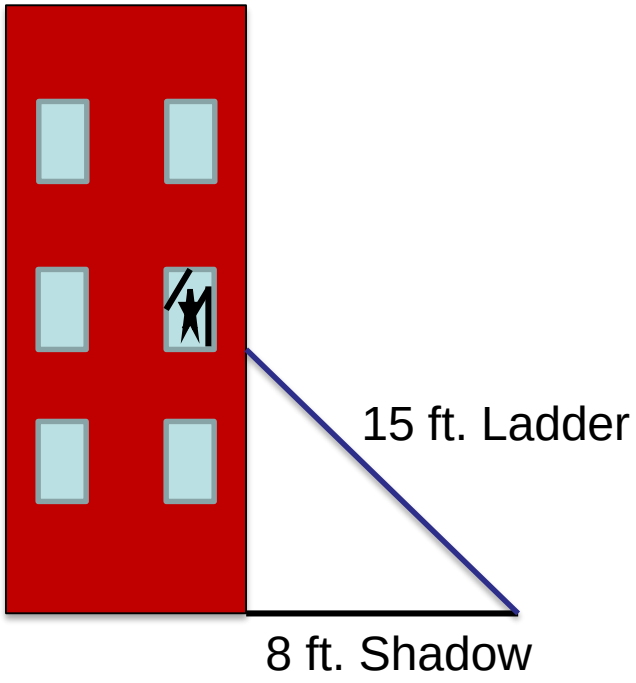
January 19, 2016

1. Find the missing side length in the triangle below.



January 20, 2016

1. How high up the wall is the broken window that needs to be fixed in the following diagram?



January 12, 2015

1. Could the following side lengths be used to form a right triangle?

7.5 ft., 10.5 ft., 12.5 ft.

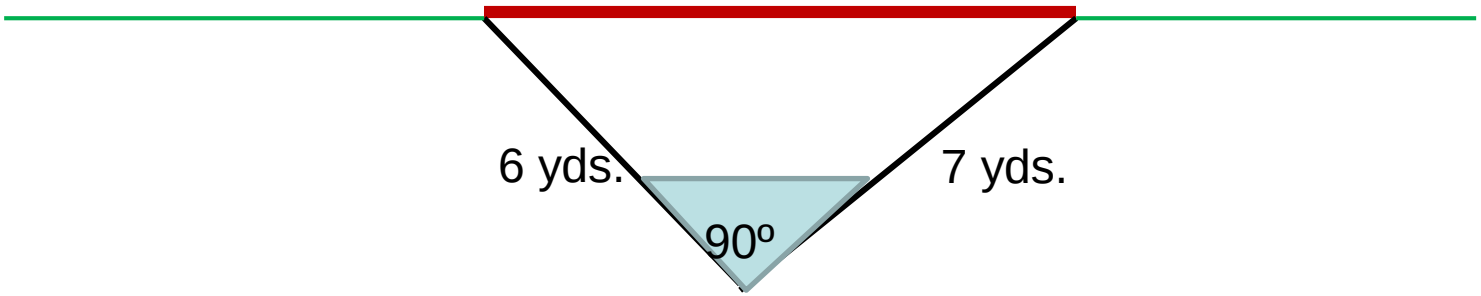
January 13, 2015

1. Could the following side lengths be used to form a right triangle?

11.25 in., 15 in., 18.75 in.

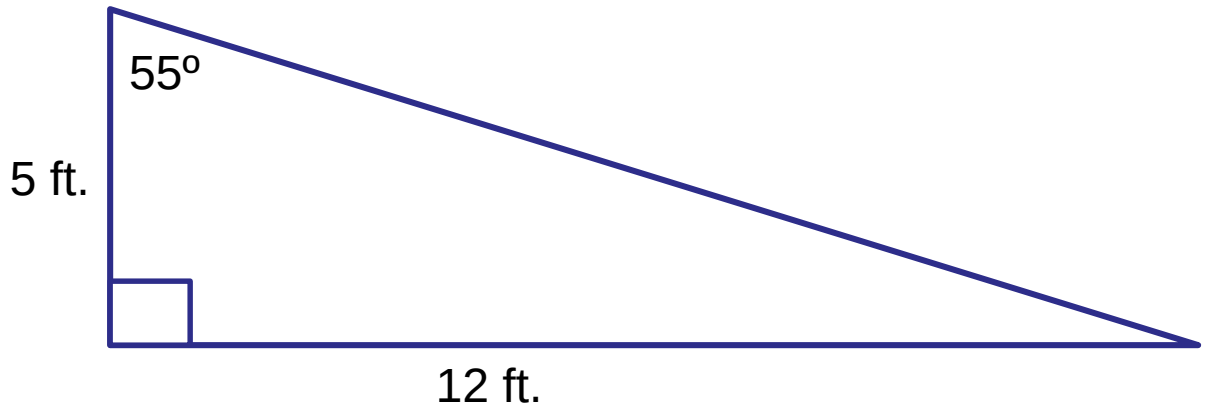
January 15, 2015

1. How long does the bridge have to be to clear the drainage ditch?



January 16, 2015

1. Find the missing angle in the diagram.
2. Find the area of triangle in the diagram.



January 20, 2015

1. Draw an example of SKEW LINES.

January 22, 2015

1. Find the equation of a line that passes through the following 2 points.

   (6, -2) and (3, 7)