NDAY - Feb 8 figure, CD is the endicular bisector of

Justify $\triangle ADC \cong \triangle BDC$. 345 Cong th.

TUESDAY - Feb 9

Which of the following is needed to show a parallelogram is a rectangle?

- A. The diagonals bisect each other.
- B. The diagonals are \cong .
- C. The diagonals are ≅ and perpendicular.
- D. The diagonals bisect each other and are perpendicular.



WEDNESDAY - Feb 10 What would be the next

step in constructing an inscribed Square?



construct perpendicular bisector to ET. THURSDAY - Feb 11

Which transformation results in a figure that is similar to the original figure but has a greater) area?

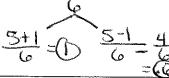
A. k = 0.25 Reduction B. k = 0.50 Reduction C. k = 1congruent enlargemer D. k = 2

Find the solutions to the following:

$$a = 3 b = 5 c = 2$$

$$x = 5 \sqrt{(-5)^2 - 4(3)/2}$$
 $= 2(3)$

IT 2 and UNIT 5



Factor the following:

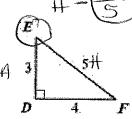
$$\frac{2x^{2}-2x-12}{2(x^{2}-x-6)}$$

$$2(x^{2}-x-6)$$

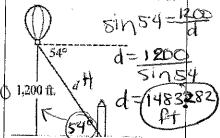
$$2(x-3)(x+2)$$

 $\begin{array}{c|c}
3x - 3x + 2 = 0 & 2x^{2} - 2x - 12 \\
a = 3b = -5c = 2 & 2(x^{2} - x - 6) \\
x = 5 + \sqrt{(-5)^{2} - 4(3)(2)} & 2(x - 3)(x + 2)
\end{array}$

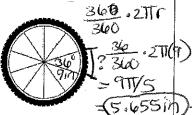
What ratio represents cos E?



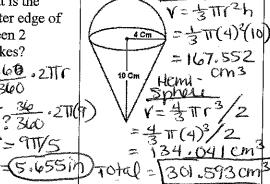
A hot air balloon is 1200' above the ground. The angle of depression from the basket to the base of a monument is 54°. Find d.



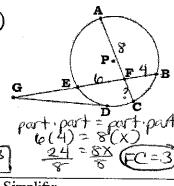
The spokes of a wheel form 10 congruent central angles. The diameter of the wheel is 18 inches. What is the length of the outer edge of the wheel between 2 consecutive spokes?



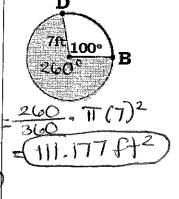
Find the volume of the ice cream cone shown:



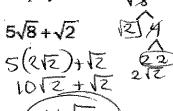
In Circle P, DG is a tangent. AF = 8, EF = 6, and BF = 4. Find the measure of FC.



Find the Area of Shaded Sector.



Simplify: 18

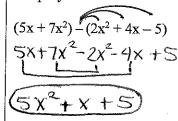


Simplify:

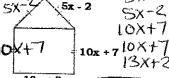
$$(5x + 7x^{2}) + (2x^{2} + 4x - 5)$$

$$9x^{2} + 9x - 5$$

Simplify:



Find the Perimeter of the model shown: 5x-2



13x + 2 43X+12 units