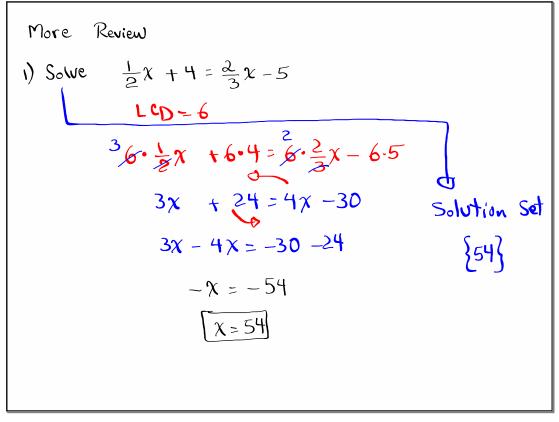
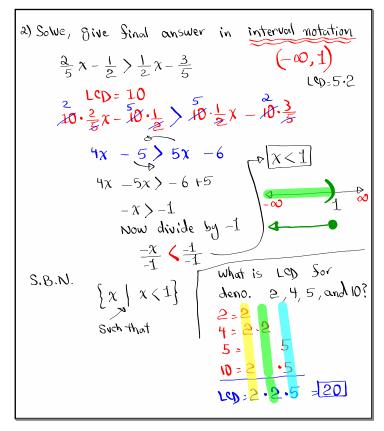


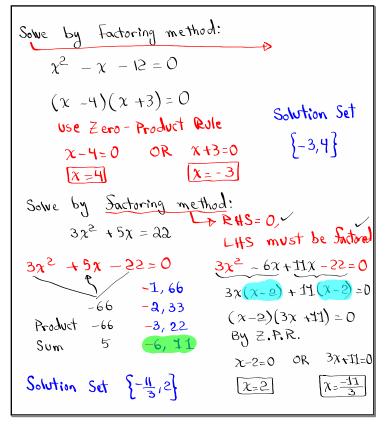
Feb 19-8:47 AM



Jan 3-8:06 AM



Jan 3-8:09 AM



Jan 3-8:18 AM

Solve by factoring:

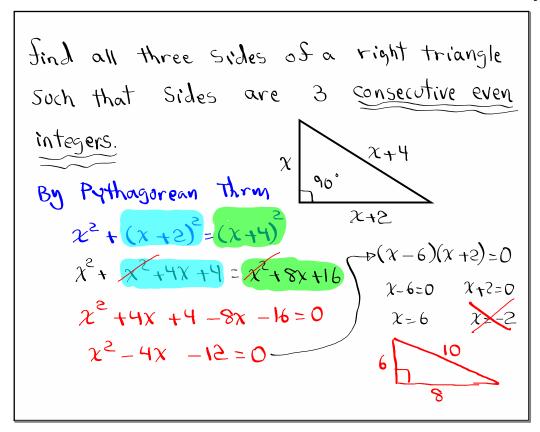
$$4x^2 + 9 = 12x$$

 $4x^2 + 9 = 12x = 0$
 $4x^2 - 12x + 9 = 0$ $\Rightarrow 4x^2 - 6x - 6x + 9 = 0$
 $2x(2x-3) - 3(2x-3) = 0$
Product = 36 -2,48 $(2x-3)(2x-3) = 0$
Sum = -12 -3,712 By Z. P.R.
 $2x-3=0$ OR $2x-3=0$
Solm. Set $\{\frac{3}{2}\}$ $x=\frac{3}{2}$ Repeated Solution

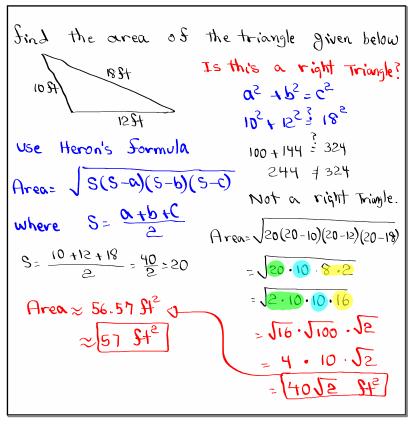
Jan 3-8:28 AM

Solve
$$(2x+5)(3x-1)=45$$
 by quadratic formula
Foil, Simplify, RHS=0 quadratic equilibrial $6x^2-2x+15x-5-45=0$ $0x^2+bx+0=0$ 0

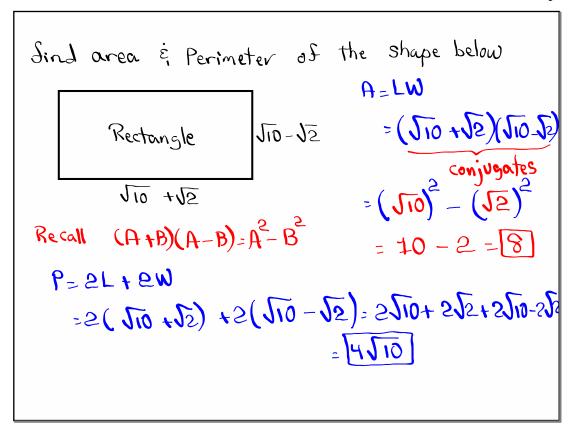
Jan 3-8:37 AM



Jan 3-8:48 AM

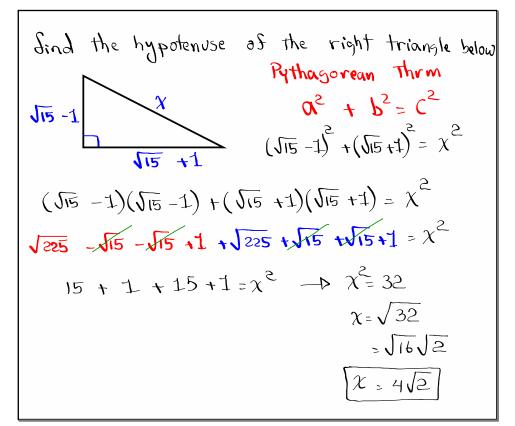


Jan 3-8:58 AM



Jan 3-9:33 AM

Jan 3-9:37 AM



Jan 3-9:42 AM

If
$$x^2 = K$$
, then $x = \pm \sqrt{K}$
Square-Root Method
 $x = \pm \sqrt{400}$
 $x = \pm 20$
Solve $x^2 = 50 = 0$
 $x^2 = 50$
By Square-Root method
 $x = \pm \sqrt{50} = \pm \sqrt{25}\sqrt{2} = \pm 5\sqrt{2}$

Solve
$$(2x-1)^2 - 9 = 40$$

 $(2x-1)^2 = 49$
By Square-Root Method
 $2x-1 = \pm \sqrt{49}$ $\rightarrow x = \frac{1+7}{2}$ $x = \frac{1-7}{2}$
 $2x-1 = \pm 7$ $= \frac{8}{2}$ $= \frac{-6}{2}$
 $2x = 1 \pm 7$ $= -3$

Jan 3-9:52 AM

Solving
$$x^2 + bx + C=0$$
 by Completing the Square method.
 $x^2 + 8x - 6=0$ take $\frac{1}{2}b$, then

 $x^2 + 8x + 16 = 6 + 16$ square it, and

 $(x + 4)^2 = 22$ sides.

Now by S.R.M.,

 $x + 4 = \pm \sqrt{22}$
 $x = -4 \pm \sqrt{22}$
 $x = -4 \pm \sqrt{22}$
 $x = -4 \pm \sqrt{22}$

Jan 3-9:56 AM

Solve by Completing the square method:

$$\chi^{2} - 10\chi - 24 = 0$$
Take $\frac{1}{2}b$,

$$\chi^{2} - 10\chi + 25 = 24 + 25$$
Square it,

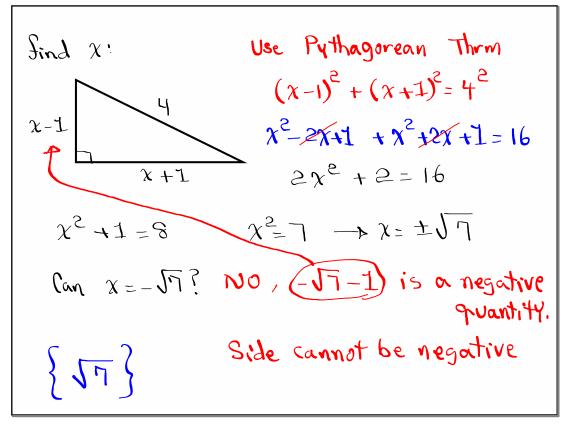
$$\chi^{2} - 10\chi + 25 = 24 + 25$$
Add to both

$$(\chi - 5)^{2} = 49$$

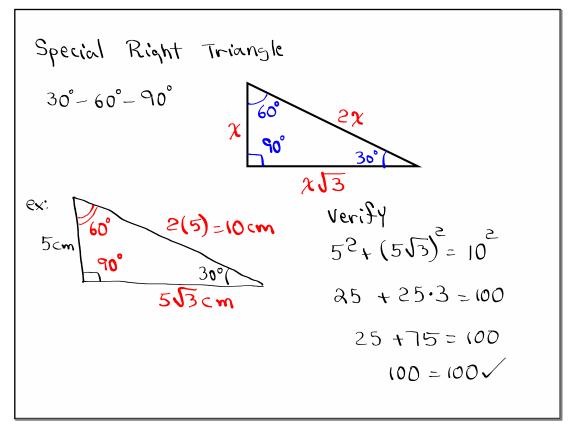
$$\chi - 5 = \pm \sqrt{49}$$

$$\chi = 5 \pm 7$$

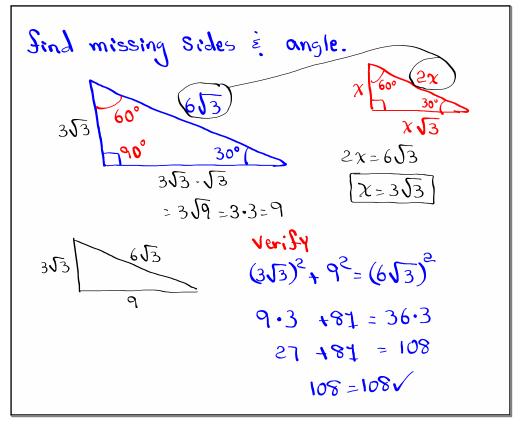
Jan 3-10:01 AM



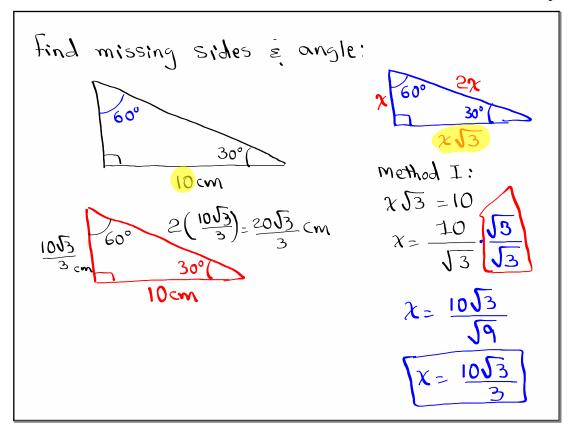
Jan 3-10:08 AM



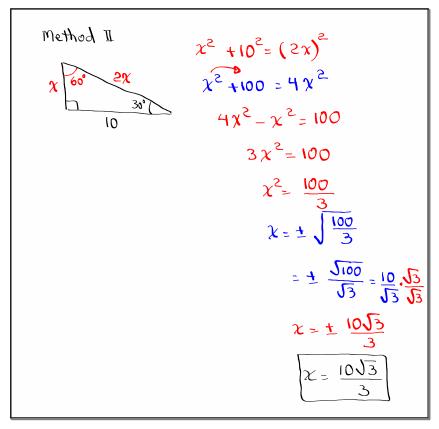
Jan 3-10:14 AM



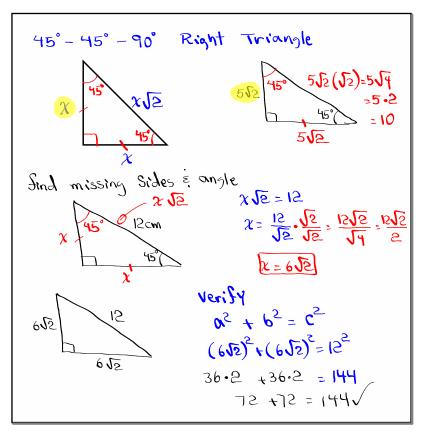
Jan 3-10:18 AM



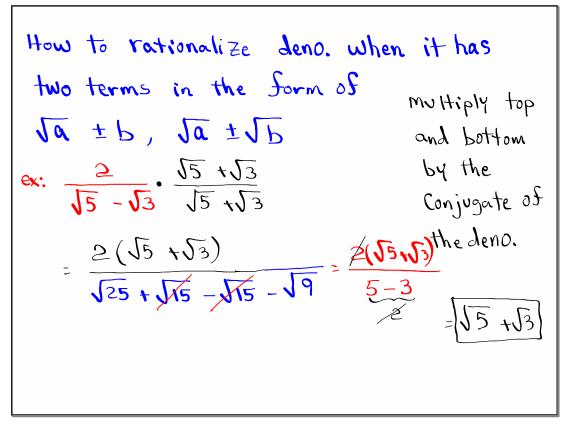
Jan 3-10:23 AM

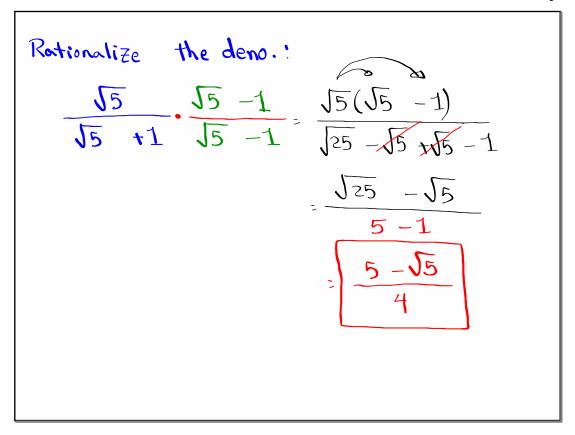


Jan 3-10:29 AM

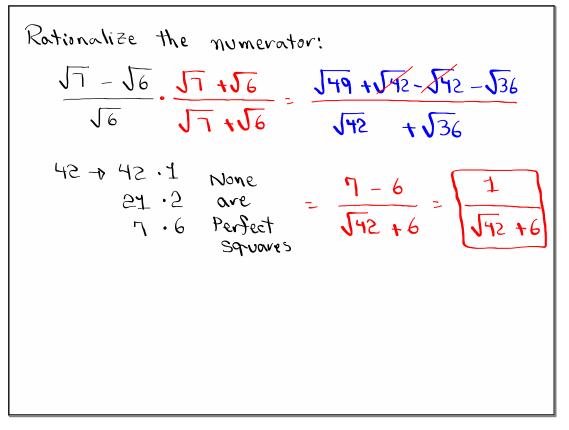


Jan 3-10:33 AM





Jan 3-11:10 AM



Jan 3-11:18 AM

Rotionalize the deno, them Simplify

$$\frac{16}{13} \cdot \frac{13}{12} \cdot \frac{12}{13} - \frac{16(13 - 12)}{19 - 16 + 16 - 14} \cdot \frac{18}{3 - 2}$$

$$= \frac{1912 - 1413}{1} = \frac{312 - 213}{1} = \frac{312 - 213}{1}$$
Now rationalize the numerator:

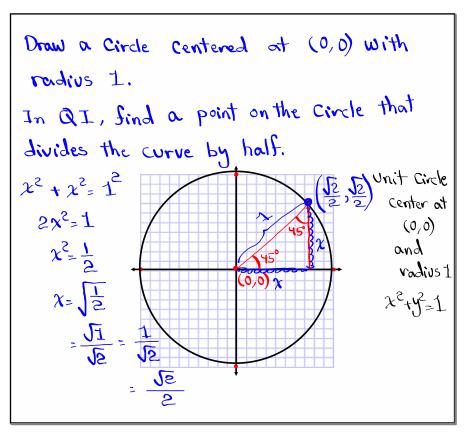
$$\frac{16}{13 + 12} \cdot \frac{16}{16} = \frac{136}{18 + 12} = \frac{6}{312 + 213}$$

Solve

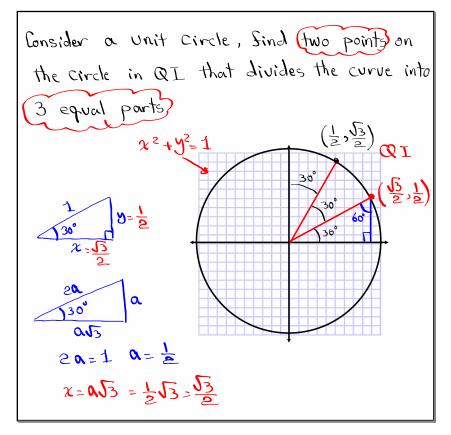
$$3 \chi^2 - 4 = 0$$

 $3\chi^2 = 4$
 $\chi^2 = \frac{4}{3}$
Square-Root Method
 $= \pm \frac{2}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}}$
Soln Set $\left\{\pm \frac{2\sqrt{3}}{3}\right\} = \left\{-\frac{2\sqrt{3}}{3}, \frac{2\sqrt{3}}{3}\right\} = \pm \frac{2\sqrt{3}}{3}$

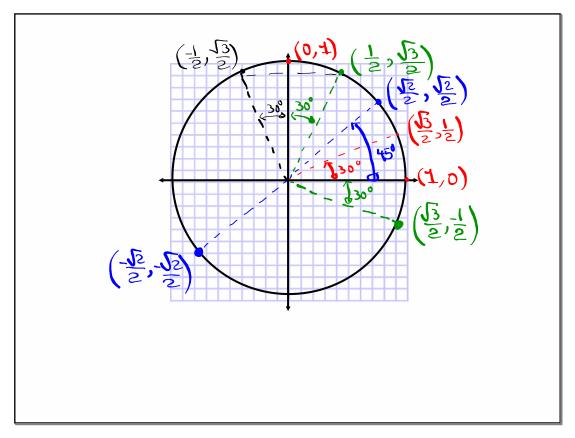
Jan 3-11:36 AM



Jan 3-11:40 AM



Jan 3-11:47 AM



Jan 3-11:58 AM

Class QZI find the area of a triangle with Sides

8cm, 13cm, and 11cm. [Box Your final Ans.]

S= 8+13+11 = 32 = 16

Round to a whole #

Area= \(\langle \lang

= \$\frac{1920}{23.818}

= 44 cm2

Jan 3-12:03 PM