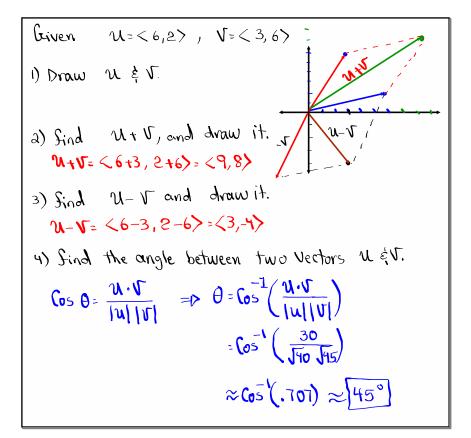
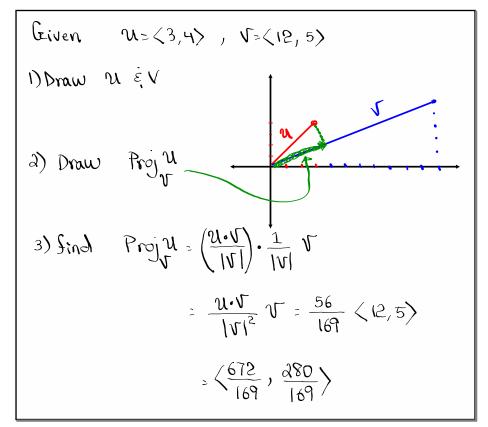
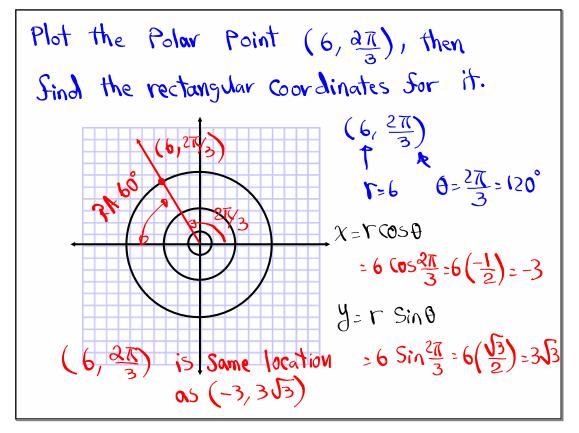


Feb 19-8:47 AM

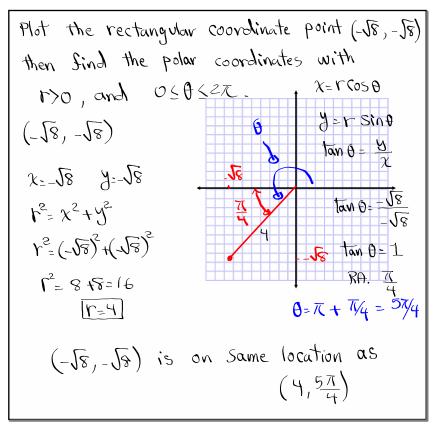




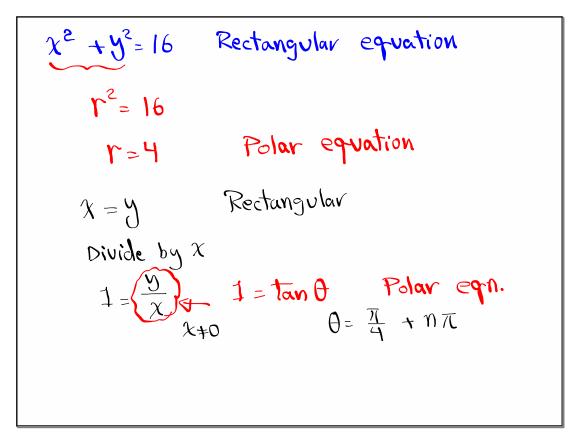
Jan 31-7:20 AM



Jan 31-7:28 AM



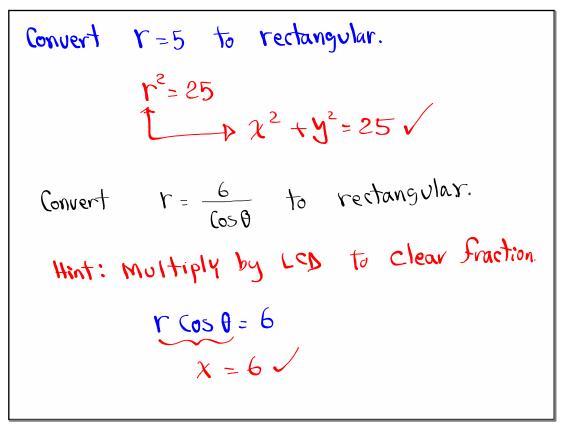
Jan 31-7:34 AM



Jan 31-7:44 AM

Given
$$y = x^2$$

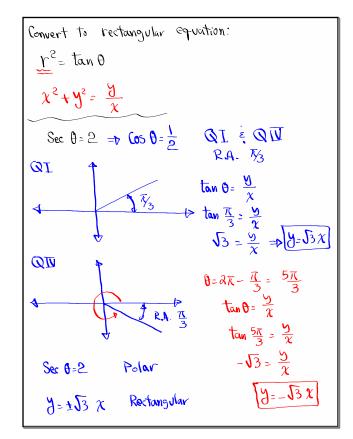
1) Graph it
2) Convert to a polar equation.
 $y = x^2$
 $r \sin \theta = (r \cos \theta)^2$
 $r \sin \theta = r^2 \cos^2 \theta$
Divide by $r (iFr \pm 0)$
Sin $\theta = r \cos^2 \theta$
Divide by $\cos^2 \theta (iF \cos \theta \pm 0)$
 $\frac{\sin \theta}{\cos^2 \theta} = r$
 $r = \frac{\sin \theta}{\cos \theta} \cdot \frac{1}{\cos \theta}$
 $r = \tan \theta \cdot \sec \theta$



Jan 31-7:53 AM

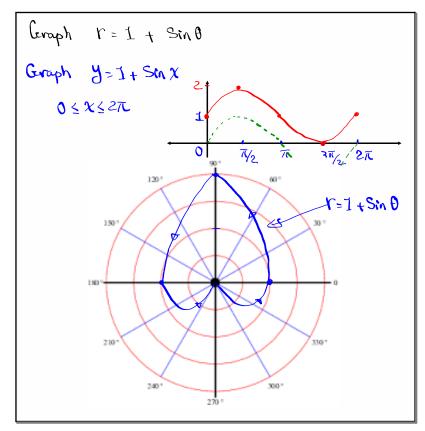
Convert to rectangular equations:
1)
$$r = -4 C \propto \theta$$
 $r = \frac{-4}{\sin \theta}$ $r \sin \theta = -4$
2) $r = 6 \cos \theta$
Hint: Multiply both sides by r
 $r = 6 r \cos \theta$
 $r^2 = 6 r \cos \theta$
 $r(2 \sin \theta - 3\cos \theta) = 6$
 $a r \sin \theta - 3r \cos \theta = 6$
 $a r \sin \theta - 3r \cos \theta = 6$
 $a r \sin \theta - 3r \cos \theta = 6$

Jan 31-7:57 AM

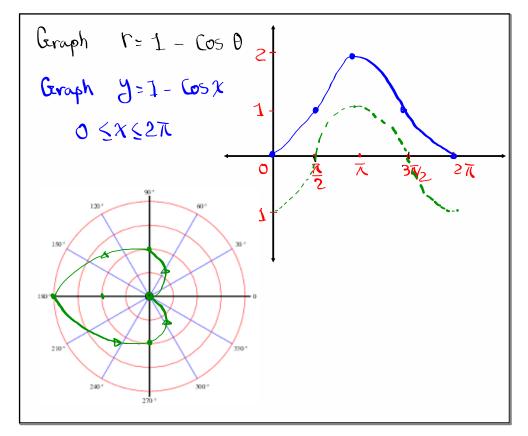


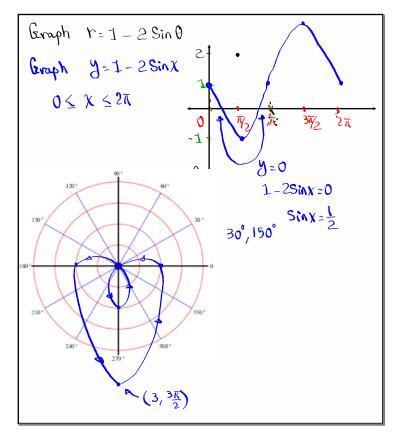
Jan 31-8:05 AM

Convert
$$\Gamma_{=}^{2}$$
 Sin 20 to rectangular eqn.
 $\Gamma_{=}^{2} = 2$ Sin 0 Cos 0
multiply both Sides by $\Gamma_{=}^{2}$
 $\Gamma_{=}^{2} \Gamma_{=}^{2} = 2$ Sin 0 Cos 0
 $(\Gamma_{=}^{2})^{2} = 2\Gamma_{sin}^{2}\Gamma_{sin}^{2}\Gamma_{sin}^{2}$
 $(\chi_{=}^{2}+\chi_{=}^{2})^{2} = 2\chi\chi$

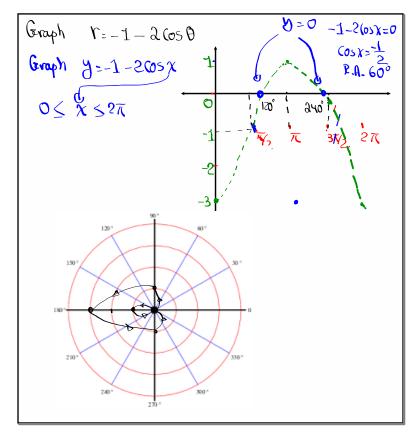


Jan 31-9:00 AM

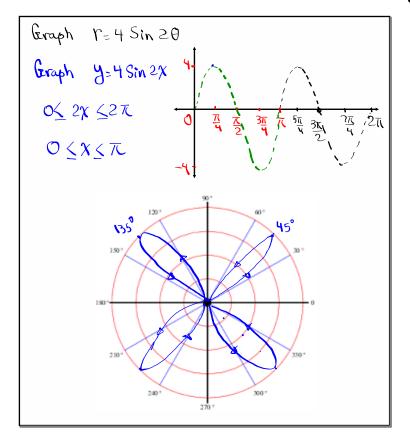




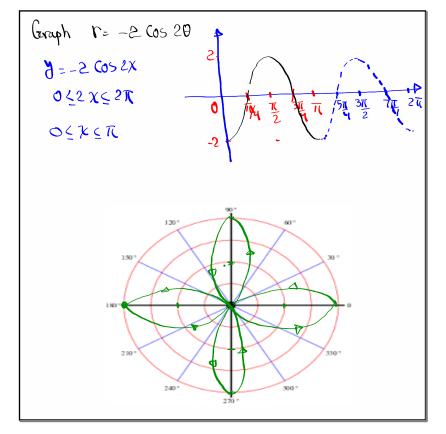
Jan 31-9:13 AM



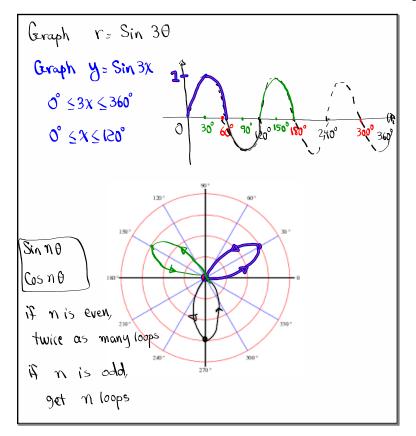
Jan 31-9:22 AM



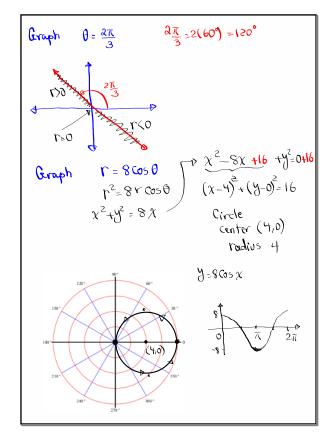
Jan 31-9:33 AM



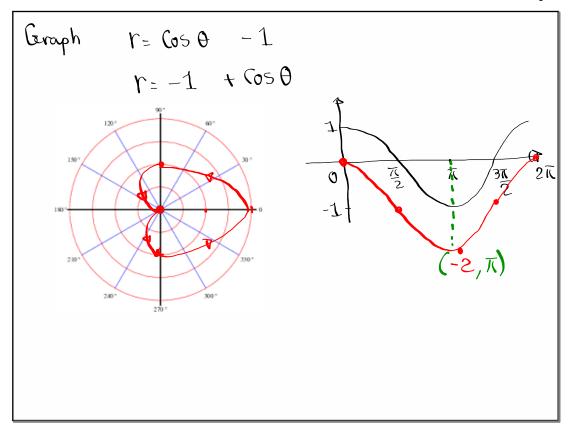
Jan 31-9:40 AM



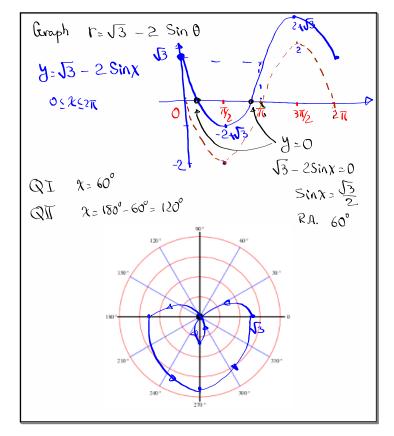
Jan 31-9:47 AM



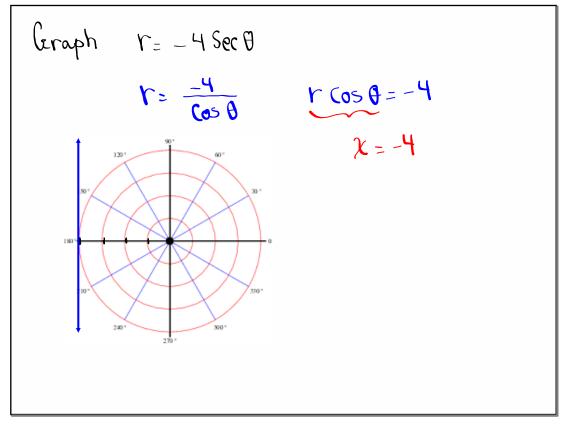
Jan 31-10:31 AM



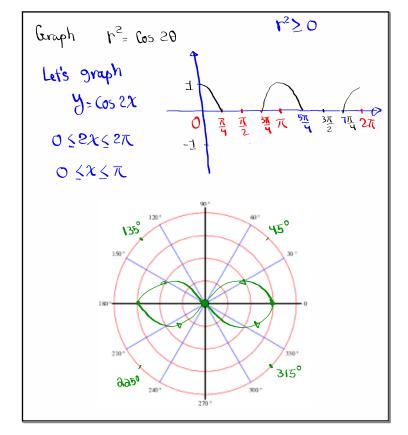
Jan 31-10:38 AM



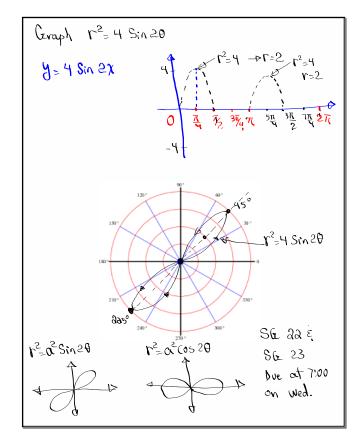
Jan 31-10:43 AM



Jan 31-10:51 AM



Jan 31-10:54 AM



Jan 31-11:03 AM