

1.6 p37 #5a

11c

$$a) \underline{4.2^2} = \underline{4^2} + \underline{3.9^2} - \underline{2(4)(3.9)} \cos A$$

$$\underline{17.64} = \underline{16} + \underline{15.21} - \underline{31.2} \cos A$$

ex. $x + 2 = 10$
 $\underline{\quad -2}$
 $\underline{x = 8}$

Remember
Inverse
Operations!

$$\frac{17.64 - 16 - 15.21}{-31.2} = \cos A$$

$$\cos A = 0.434935\dots$$

$$\cos^{-1}(0.434935\dots) = A$$

$$\underline{\underline{A = 64.2^\circ}}$$