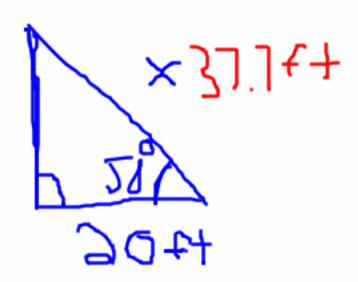
$$2x^{2} + 5x + 6$$

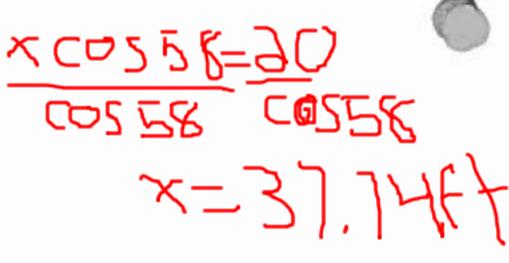
$$= (x+3)(x+2) + (5)$$

$$= (x+3)(x+$$

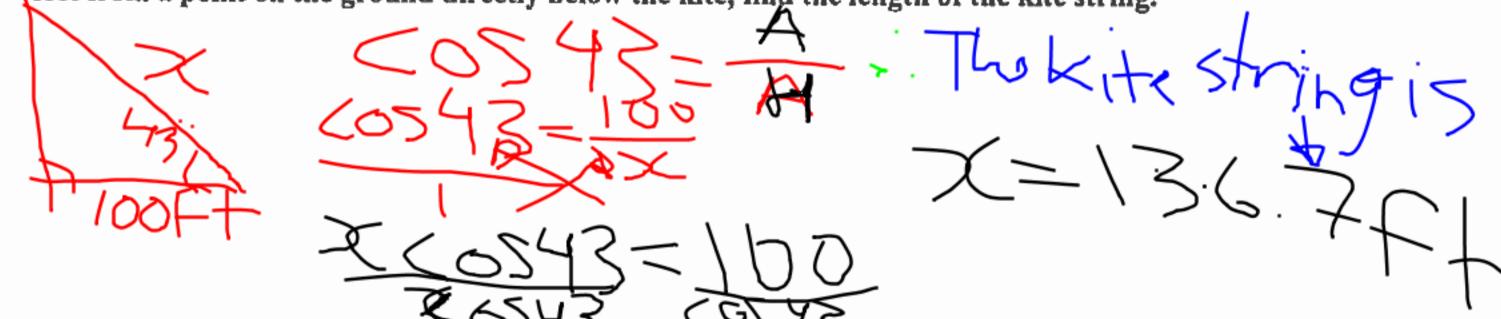
Quadrotics Review June2 Factoring & Graphina &  $\chi^{2} - 1 = 0$   $(\chi + 1)(\chi - 1) = 0$   $(\chi + 1)(\chi - 1)(\chi - 1) = 0$   $(\chi + 1)(\chi - 1)(\chi - 1) = 0$   $(\chi + 1)(\chi - 1)(\chi - 1)(\chi - 1) = 0$   $(\chi + 1)(\chi - 1)(\chi -$ Wher 2(+1=001  $\frac{1}{2} = -1$ Verten (0,-1)

5. A wire attached to the top of a pole reaches a stake in the ground 20 feet from the foot of the pole and makes an angle of 58° with the ground. Find the length of the wire.





6. Henry is flying a kite. The kite string makes an angle of 43° with the ground. If Henry is standing 100 feet from a point on the ground directly below the kite, find the length of the kite string.



7. A 25 foot ladder leans against a building. The ladder's base is 13.5 feet from the building. Find the angle which the ladder makes with the ground.





























