Let the lengths a, b, c, and the angle A be as shown in the figure. By the Law of Cosines:

$$a^{2} = b^{2} + c^{2} - 2bc \cos A$$

$$|| d/dt$$

$$a \frac{da}{dt} = b \frac{db}{dt} - \frac{db}{dt} c \cos A$$

$$a=8m$$
, $\frac{da}{dt}=1$ m/s, $b=7m$, $\frac{db}{dt}=-2m/s$

$$8^{2} = 7^{2} + c^{2} - 2.7 \cdot c \cos A$$

 $8.1 = 7 \cdot (-2) - (-2) \cdot c \cos A \implies c \cos A = 11$

 $c^{2} = 169$ c = 13m

=> You are 13 m away from the Luck's hest.

