June.3rd, 2016 Unit 6 Day 6 6-4 Soh Can Toa 1) Solve for X $\cos 62^{\circ} = 15$ 15 a 62° 7 h $\chi = 15$ CJ62° X~= 32.0 2) A wheelchair ramp is 2m high and 12m long. What is the angle of elevation? $0 \quad \sin \theta = \frac{0}{h} = \frac{2}{12} = \frac{1}{6}$ 2m h _____ $\theta = \sin^{-1}\left(\frac{1}{6}\right)$ 02 9.6° 3) A ladder reaches 5m up a house. For safety, the maximum angle of elevation for the laddor is 75°. How far from the bux of the house should the ludder be at least? $+a_{1}75'=\frac{0}{c}=\frac{5}{2}$ L Judder $\chi = 5$ tan 75° Practice 6-5+6-6 even