

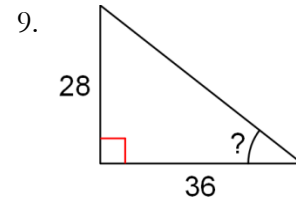
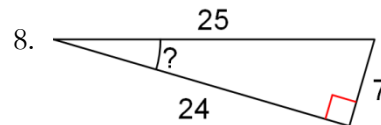
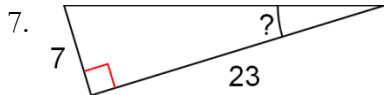
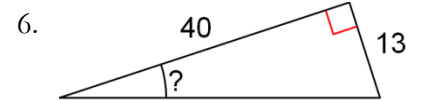
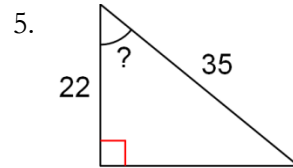
I. Solve for the missing angle measure. Round to the nearest tenth!

1. $\sin x = 0.6561$

2. $\tan x = 0.7265$

3. $-1 \cos x = -0.72$

4. $4 \cos x - 6 = -5.2$



10. Your cat is trapped on a tree branch that is 6.5 meters above the ground. You have a ladder but it is only 6.7 meters long. If you place the ladder's tip on the branch, what angle will the ladder make with the ground?