

### COT 3100 Fall 2022 - Homework #1 Grading Criteria

- 1) 6 pts – 1 pt for setting up variables  
2 pts – setting up two equations in two variables based on given information  
1 pt solving for  $r$   
1 pt for Joanna's time  
1 pt for Ahmed's time
- 2) 6 pts – 2 pts change bases  
2 pts expressing equations as a system of two equations  
2 pts solving the system and substituting back for  $x, y$  (if A, B used)
- 3) 8 pts - 1/2 pt per correct row, round down, the whole row has to be correct to get the 1/2 pt.
- 4) 4 pts – 1 pt per row
- 5) 6 pts - 1 pt per step (skipping Commutative Steps),  
If steps are correct but no reasons given -2 (take off 2)  
If some reasons are incorrect but everything else is good -1 (take off 1)
- 6) 5 pts - 1 pt per step non-given step, take off 1/2 pt if reason is missing or given steps not listed round down
- 7) 5 pts – 2 pts for all givens, 1/2 pt per each other step, round down, deal accordingly with small errors (generally speaking, just 1 pt off total if a couple reasons are a bit off or missing, if all reasons are missing -2)
- 8) 5 pts - give 0 pts if they say it's false. Give 2 pts for saying it's true, 2 pts for finding the value of  $y$  for which it's true, 1 pt for proving that when is that value, the assertion is true for all  $x$ .
- 9) 5 pts - Just eyeball this, give it full credit if it's a reasonable summary of at least two regular length paragraphs. Give partial as you see fit.