

Closed book and notes.

Show your work for credit and **put a box around each of your answers.**

- How long will it take to fill a swimming pool using 2 running hoses if one hose can fill the pool alone in 40 hours while the other can fill the pool by itself in 20 hours? Again, show your work. (2 points)

- Find the current that flows in each of the following circuits in the indicated directions. (3 points)

