





If the pond elevation is 8m, ground surface at 6m, the  
drain at 2m, bedrock at 0m and K<sub>x</sub> is 16m/day and K<sub>z</sub> is  
1m/day , what is the flow at the drain? Recall:  
$$\mathbf{K'} = \sqrt{\mathbf{K_x K_z}}$$
$$\mathbf{Q} = \mathbf{q_A n_f} = \mathbf{KH} \frac{\mathbf{n_f}}{\mathbf{n_d}}$$
$$\mathbf{Q} = 4 \text{ m/day } 6 \text{ m } 5/6 = \sim 20 \text{m}^3/\text{day per m}$$



