If the water level in piezometers open in aquifer 1 and 2 drop from their solid line levels to the dashed line levels over a square kilometer, how much water is released from the aquifers?
Aquifer 1 = Vol = \[\Delta h_{uncf} * SY\] + \[\Delta h_{uncf} (avg thickness) Ss\]
= \[43m * 0.3\] + \[43m * (90+(43/2))m * 4\times10^{-3}\] = \[12.9m^3 + 0.144m^3 = 13m^3\] 
\(90+43\) \(\frac{m^3}{m^2}\) ~ 13,000,000\(m^3/km^2\) ~ 10,500ACFT

Aquifer 2 = Vol = \[\Delta h_{cnf} * S\] + \[\Delta h_{uncf} * SY\] + \[\Delta h_{uncf} (avg thickness) Ss\]
= \[15+166+44\]m * 6\times10^{-5} + \[42m * 0.1\] + \[42m * (208-42/2)m *6\times10^{-5}\] 
= \[0.0135m + 4.2m + 0.003m = 4.2165 \frac{m^3}{m^2}\] ~ 4,000,000\(m^3/km^2\) ~ 3,200ACFT

WHAT IF IT IS NOT A SIMPLE SHAPE?
average drawdown over the area

Use average drawdown over the area.