

1) A) Inverse supply: $p = 2q + 10$

Supply: $q = \frac{p-10}{2}$ if $p \geq 10$ and $q = 0$ otherwise.

B) $q = \frac{p-10}{2}$ if $p \geq 10$ and 0 otherwise.

C) $Q = 10\frac{p-10}{2} = 5(p-10)$ if $p \geq 10$ and 0 otherwise.

D) $p = 20$

E) $q = 5$

F) $\pi = 20(5) - (5^2 + 10(5) + 100) = -75$