a)

| Hours | In pounds | MP |
| :--- | :--- | :--- |
| 1 | 10 | - |
| 2 | 18 | $\mathbf{8}$ |
| 3 | 24 | $\mathbf{6}$ |
| 4 | 28 | $\mathbf{4}$ |
| 5 | 30 | $\mathbf{2}$ |

b)

| Hours | In pounds | TP | AP | MP |
| :--- | :--- | :--- | :--- | :--- |
| 1 | 10 | 10 | 10 | - |
| 2 | 18 | 28 | 9 | 8 |
| 3 | 24 | 52 | 8 | 6 |
| 4 | 28 | 80 | 7 | 4 |
| 5 | 30 | 110 | 6 | 2 |



TP - constantly grow, so curve has positive slope
AP and MP constantly fall, so curve has negative slope
c)


TC - constantly grow because variable costs grow in equal proportion, so curve has positive slope

