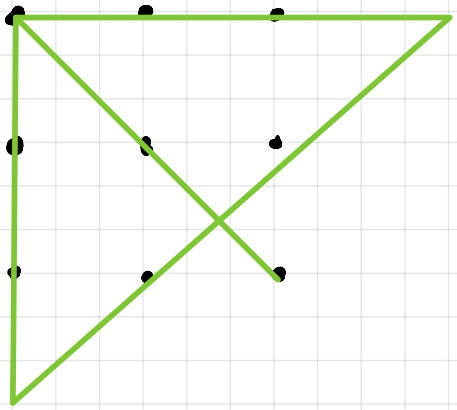
Part A



Part B

2)

$\frac{3h}{5d} = .6h/d$ Last week

$\frac{2h}{4d} = .5h/d$ This week

Last week was more productive with .6 houses painted per day

3)

a) 30/10 = 3 Labor Productivity

b) 30/3 = 10 Materials Productivity

c) 30/[10+3+5] = 30/18 = 1.66 Total Productivity

4)

a) $60 \cdot [1 - (19/60)] = 60 \cdot .83 = 50$ mowers per day

b) $90 \cdot [1 - (1/90)] = 90 \cdot .988 = 89$ mowers per day

c) $(89 - 50)/50 = 78\%$ improvement