James Valles SE-441 Assignment #1

downtime = deployment
$$X$$
 change X mean time X hourly outage X a. $24 \cdot 10\% \cdot 8 \cdot 25,000 = $480,000$

\$ 480,000 +\$180,000 = \$\$ 660,000 24 · X · 8 · 25,000 + 24 · 4 · 25,000 = 250,000 24 (X.8.25+4.2.25) = 2510 24.2(4x+4)=185 (24(4x+y)=5 6-2=8 longer 24.0.03787879. 8.25,000 = 181,818.192 24(8-4+4)=5 24.0.05681818. 24.114=5 2.25,000= 68,181.816 181,818+68,181,50,000 y=5.3=5.7%

 $\frac{3}{3} = \frac{3}{88} = \frac{3.77}{88}$ $X = \frac{3}{3} \cdot \frac{5}{88} = \frac{5}{3.44} = \frac{5}{132} = \frac{3.87}{132}$

5.7%. Change failure rate for shorter 3.8%. Change failure rate for longer d. cost of
excess
rework = tech
staff average benefits . 1, of time
size salary mutiplier spent on
excess
rework.

b. 1,740,000 = 250.80,000.1.4.9 1,740,000 = 28,000,000

2,240,000 = 1,740,000

 $\frac{1740,000}{28,000,000} = y = 0.06214286$

1=6.2%