

## UNIT 5: EXPONENTIAL AND LOGARITHMIC EQUATIONS

### DAY 3: SOLVING EXPONENTIAL AND LOG EQUATIONS

Solve:

1.  $3^{x-2}=4$

2.  $\log_7 x = 2\log_7 3$

3.  $\log = \frac{1}{3}\log 8$

4.  $\log_7 40 - \log_7 5 = \log_7 x$

5.  $\log_2 x = \log_2 3 - \log_2 3$

6.  $\log_5(x-3) + \log_5 x = \log_5 10$