

**Work sheet for class-7****Subject teacher: Mohammed Barkatul Alam Tipu**

1) If,  $P = \frac{1}{a^2+3a}$ ,  $Q = \frac{2}{a^2+5a+6}$  and  $R = \frac{3}{a^2-a-12}$

(a) Factorize the denominator of the fraction Q

(b) Express P, Q, R as fraction with common denominators

(c) Simplify  $P + Q - R$

2) Find the difference:

(a)  $\frac{1}{m+2} - \frac{1}{m^2-4}$

(b)  $\frac{2p}{p^2-4q^2} - \frac{p}{pq+2q^2}$