2.
$$\frac{3m}{m^2-49} + \frac{m+5}{4m-28}$$
 $\frac{m^2-13m+5}{m^2-49} + \frac{m+5}{4m-28}$

$$\frac{m^2 + 12 m + 5}{m^2 - 49}$$

$$\frac{m^2 + 24 m + 35}{4 m^2 - 196}$$

$$4 m^{2}-196$$

$$\frac{m^{2}+12 m+5}{4 m^{2}-196}$$

$$\frac{3 \text{ m}}{3 + \frac{1}{4}} + \frac{1}{4}$$

$$\frac{3 \text{ m}}{\text{m}^2-49} + \frac{\text{m}+5}{4 \text{ m}-28} = \frac{3 \text{ m}}{(\text{m}-7) \text{ (m}+7)} + \frac{\text{m}+5}{4 \text{ (m}-7)}$$
 المضاعف المشترك الأصغر (م.م.أ) للمقامين هو: $(m-7) \text{ (m}+7)$

$$= \frac{4}{4 \, (\text{m}-1)}$$

$$= \frac{12 m}{4 (m-7) (m+7)} + \frac{m^2+12 m+35}{4 (m-7) (m+7)}$$

$$= \frac{12 m+m^2+12 m+35}{4 (m-7) (m+7)}$$

$$= \frac{12 \text{ m} + \text{m}^2 + 12 \text{ m} + 35}{4 \text{ (m} - 7) \text{ (m} + 7)}$$
$$= \frac{\text{m}^2 + 24 \text{ m} + 35}{24 \text{ m} + 35}$$

 $4 \, \text{m}^2 - 196$

$$= \frac{4(3 m)}{4(m-7)(m+7)} + \frac{(m+5)(m+7)}{4(m-7)(m+7)}$$
12 m $m^2 + 12 m + 35$

$$+\frac{m^2+12\ m+35}{4\ (m-7)\ (m+7)}$$