**Title**

Student’s Name

Department

University Name

Course

Instructors Name

Due Date

**ALGEBRA**

$\frac{3\frac{1}{2}-\left(\frac{3}{4}\right)^{2}}{2\frac{5}{8 }+\left(\frac{1}{3}\right)^{4}}$

($\frac{3 ×2+1}{2}$ –$\left(\frac{3}{4}\right)^{2}$) ÷ $(2\frac{5}{8}+\left(\frac{1}{3}\right)^{4})$

($\frac{6 +1}{2}$ –$\left(\frac{3}{4}\right)^{2}$) ÷ $(2\frac{5}{8}+\left(\frac{1}{3}\right)^{4})$

($\frac{7}{2}$ –$\left(\frac{3}{4}\right)^{2}$) ÷ $(2\frac{5}{8}+\left(\frac{1}{3}\right)^{4}$)

($\frac{7}{2}$ –$\frac{3^{2}}{4^{2}}$) ÷ $(2\frac{5}{8}+\left(\frac{1}{3}\right)^{4}$)

($\frac{7}{2}$ –$\frac{9}{4^{2}}$) ÷ $(2\frac{5}{8}+\left(\frac{1}{3}\right)^{4}$)

($\frac{7}{2}$ –$\frac{9}{16}$) ÷ $(2\frac{5}{8}+\left(\frac{1}{3}\right)^{4})$

LCD = 16

$\frac{7 ×8}{2 ×8}- \frac{9}{16}$

$\frac{56}{16}- \frac{9}{16}$

$\frac{56-9}{16}$

$\frac{47}{16} ÷(2\frac{5}{8}+\left(\frac{1}{3}\right)^{4})$

$\frac{47}{16} ÷(\frac{2 ×8+5}{8}+\left(\frac{1}{3}\right)^{4})$

$\frac{47}{16} ÷(\frac{16+5}{8}+\left(\frac{1}{3}\right)^{4}$ )

$\frac{47}{16} ÷(\frac{21}{8}+\left(\frac{1}{3}\right)^{4}$ )

$\frac{47}{16} ÷(\frac{21}{8}+\frac{1}{3^{4}}$)

$\frac{47}{16} ÷(\frac{21}{8}+\frac{1}{81}$ )

LCD = 648

$\frac{21 ×81}{8 ×81}+\frac{1 ×8}{81 ×8}$

$\frac{1701}{648}+\frac{8}{ 648}$

$\frac{1701+8}{648}$

$\frac{47}{16} ÷ \frac{1709}{648}$

$\frac{47}{16} × \frac{648}{1709}$

$\frac{47 ×648}{16 ×1709}$

$\frac{30456}{16 ×1709}$

$\frac{30456}{27344}$

$\frac{3807}{3418}$

1$\frac{389}{3418}$