October 4, 2017

that #6) $2m^2\left[\frac{1}{2m^2}+\frac{5}{2m}=\frac{(m-2)}{m^2}\right]$ LCD: $2m^2$

$1+5m=2(m-2)$

$1+5m=2m-4$

$-1 \quad -2m \quad -2m \quad -1$

$3m=-5$

$m=-\frac{5}{3}$

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$m=-\frac{5}{3}$ $\frac{1}{2m^2}+\frac{5}{2m}=\frac{m-2}{m^2}$

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

$\frac{1}{\frac{2}{1}\left(\frac{25}{9}\right)}+\frac{5}{-\frac{10}{3}}=\frac{\frac{-5-6}{3}}{\frac{25}{9}}$

$\frac{1}{1}\cdot\frac{9}{50}+\frac{5}{1}\cdot-\frac{3}{10}=-\frac{11}{3}\cdot-\frac{3}{10}$

$\frac{9}{50}-\frac{3}{2}=\frac{11}{10}$

$\frac{9-}{50}$

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

$\frac{1}{\frac{2}{1}\left(\frac{25}{9}\right)}+\frac{5}{-\frac{10}{3}}=\frac{\frac{-5-6}{3}}{\frac{25}{9}}=\frac{-11}{3}$

$\frac{\frac{1}{1}}{\frac{50}{9}}+\frac{\frac{5}{1}}{-\frac{10}{3}}=\frac{-\frac{11}{3}}{\frac{25}{9}}$

$\frac{1}{1}\cdot\frac{9}{50}+\frac{5}{1}\cdot-\frac{3}{10}=-\frac{11}{3}\cdot\frac{9}{25}$

$\frac{9}{50}+\left(-\frac{15}{10}\right)=-\frac{33}{25}$

$\frac{9+(-75)}{50}$

$-\frac{66}{50}$

$-\frac{33}{25}=-\frac{33}{25}$ ✓

Oct 4-9:24 AM

that #3) $6x^2\left[\frac{1}{3x^2}=\frac{x+3}{2x^2}-\frac{1}{6x^2}\right]$ LCD: $6x^2$

$2=3(x+3)-1$

$2=3x+9-1$

$2=3x+8$

$-6=3x$

$-2=x$

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$x=-2$

$\frac{1}{3(-2)^2}=\frac{(-2)+3}{2(-2)^2}-\frac{1}{6(-2)^2}$

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that #7) $x\left[\frac{x-6}{x}=\frac{x+4}{x}+1\right]$ LCD: x

$x-6=x+4+x$

$x-6=2x+4$

$-x-4 \quad -x-4$

$-10=x$

Oct 4-9:45 AM