[ X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00001XX Real02 Answers for No. 9844

$$
A n s 1=\left[\begin{array}{c}
.1=[r=-13] \\
.2=[r=-9] \\
.3=[r=1] \\
.4=[r=7]
\end{array}\right], ~ A n s 2=\left[\begin{array}{c}
.1=[m=-4] \\
.2=[m=-1] \\
.3=[m=\{5,7\} \\
.4=[m=12]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.1=(x-5)(x+5)(x+1) \\
.2=(x-2)(x+2)(x-3)(x+3) \\
.3=(x+4)\left(x^{2}-4 x+16\right) \\
.4=(x-2)(x+2)\left(x^{2}+4\right) \\
.5=(x-1)(x-2)\left(x^{2}+x+2\right) \\
.6=(x+4)(x+1)(x-3)(x-5) \\
.7=(x+2)(5 x+6)(3 x+2) \\
.8=(x+2)(x-2)(3 x+5)(3 x-1)
\end{array}\right],\left[\begin{array}{c}
: D \\
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00002XX Real02 Answers for No. 9872

$$
\text { Ansl }=\left[\begin{array}{c}
.1=[r=-15] \\
.2=[r=14] \\
.3=[r=-2] \\
.4=[r=-5]
\end{array}\right], ~ A n s 2=\left[\begin{array}{c}
.1=[m=0] \\
.2=[m=-9] \\
.3=[m=-1] \\
.4=[m=\{-4,6\}]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.3=(x-3)\left(x^{2}+3 x+9\right) \\
.4=(x-4)(x+4)\left(x^{2}+16\right) \\
.5=(x+4)(x+2)(x-1)(x-6) \\
.6=(x+3)(x+1)\left(x^{2}+2 x+2\right) \\
.7=(x-2)(3 x+5)(2 x-3) \\
.8=(x-2)(x-1)(5 x-6)(2 x+1)
\end{array}\right], \quad,\left[\begin{array}{c}
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

x [Page = 0001] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
$:$
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$:$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00003XX Real02 Answers for No. 9873

$$
\text { Ans } 1=\left[\begin{array}{c}
.1=[r=-7] \\
.2=[r=-5] \\
.3=[r=3] \\
.4=[r=2]
\end{array}\right], \quad A n s 2=\left[\begin{array}{c}
.1=[m=-2] \\
.2=[m=-3] \\
.3=[m=\{1,2\}] \\
.4=[m=-17]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.3=(x-3)\left(x^{2}+3 x+9\right) \\
.4=(x-4)(x+4)\left(x^{2}+16\right) \\
.5=(x+2)(x-3)\left(x^{2}-3 x+1\right) \\
.6=(x+5)(x+4)(x+2)(x+1) \\
.7=(x+2)(4 x-3)(3 x-1) \\
=(x-3)(x+1)(5 x+1)(3 x-5)
\end{array}\right], \quad,\left[\begin{array}{c}
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00004XX Real02 Answers for No. 9884

$$
\text { Ans } 1=\left[\begin{array}{l}
.1=[r=8] \\
.2=[r=1] \\
.3=[r=2] \\
.4=[r=7]
\end{array}\right], ~ A n s 2=\left[\begin{array}{c}
. l=[m=2] \\
.2=[m=5] \\
.3=[m=\{-4,5\} \\
.4=[m=-6]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.3=(x+2)\left(x^{2}-2 x+4\right) \\
.4=(x-1)(x+1)\left(x^{2}+1\right) \\
.5=(x+4)(x-1)(x-2)(x-4) \\
.6=(x+2)(x+1)\left(x^{2}+x+2\right) \\
.7=(x-2)(2 x-1)(3 x+4) \\
.8=(x-1)(x-3)(5 x-4)(4 x+3)
\end{array}\right], \quad,\left[\begin{array}{c}
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

x [Page = 0002] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00005XX Real02 Answers for No. 9885

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00006XX Real02 Answers for No. 9895

$$
\text { Ansl }=\left[\begin{array}{c}
.1=[r=-6] \\
.2=[r=-16] \\
.3=[r=-1] \\
.4=[r=-5]
\end{array}\right], \quad A n s 2=\left[\begin{array}{c}
.1=[m=2] \\
.2=[m=-4] \\
.3=[m=-9] \\
.4=[m=\{-4,2\}]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.3=(x-2)\left(x^{2}+2 x+4\right) \\
.4=(x-5)(x+5)\left(x^{2}+25\right) \\
.5=(x+3)(x-1)\left(x^{2}+3 x+1\right) \\
.6=(x+5)(x+4)(x-1)(x-3) \\
.7=(x+1)(4 x+1)(2 x+5) \\
.8=(x-1)^{2}(4 x-3)(5 x-3)
\end{array}\right], \quad,\left[\begin{array}{c}
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

x [Page = 0003] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00007XX Real02 Answers for No. 9898

$$
\text { Ans1 }=\left[\begin{array}{l}
.1=[r=19] \\
.2=[r=-1] \\
.3=[r=-4] \\
.4=[r=-2]
\end{array}\right], ~ A n s 2=\left[\begin{array}{c}
.1=[m=3] \\
.2=[m=4] \\
.3=[m=\{-5,-1\} \\
.4=[m=5]
\end{array}\right], \operatorname{Ans} 3=\left[\begin{array}{c}
.3=(x+3)\left(x^{2}-3 x+9\right) \\
.4=(x-3)(x+3)\left(x^{2}+9\right) \\
.5=(x+3)(x-1)(x-3)(x-4) \\
.6=(x+3)(x-2)\left(x^{2}-4 x+2\right) \\
.7=(x+3)(4 x-1)(3 x-2) \\
.8=(x-2)^{2}(3 x-1)(4 x-5)
\end{array}\right], \quad,\left[\begin{array}{c}
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00008XX Real02 Answers for No. 9899

$$
\left.A n s 1=\left[\begin{array}{c}
.1=[r=3] \\
.2=[r=-17] \\
.3=[r=7] \\
.4=[r=5]
\end{array}\right], ~ A n s 2=\left[\begin{array}{c}
.1=[m=2] \\
.2=[m=0] \\
.3=[m=12] \\
.4=[m=\{-5,2\}]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.1=(x-2)(x+2)(x-3) \\
.2=(x-1)(x+1)(x-3)(x+3) \\
.3=(x-2)\left(x^{2}+2 x+4\right) \\
.4=(x-1)(x+1)\left(x^{2}+1\right) \\
.5=(x+4)(x+2)(x+1)(x-3) \\
.6=(x-1)(x-2)\left(x^{2}+4 x+2\right) \\
.7=(x-2)(5 x-4)(2 x-3) \\
.8=(x-1)(x-3)(3 x-1)(3 x+5)
\end{array}\right], \begin{array}{c}
. D \\
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

x [Page = 0004] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00009XX Real02 Answers for No. 9920

$$
\text { Ans } \left.1=\left[\begin{array}{c}
.1=[r=15] \\
.2=[r=0] \\
.3=[r=5] \\
.4=[r=-6]
\end{array}\right], \operatorname{Ans} 2=\left[\begin{array}{c}
.1=[m=0] \\
.2=[m=0] \\
.3=[m=-1] \\
.4=[m=\{-7,4\}]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.3=(x+1)\left(x^{2}-x+1\right) \\
.4=(x-2)(x+2)\left(x^{2}+4\right) \\
.5=(x-2)(x-3)\left(x^{2}-2 x+2\right) \\
.6=(x+5)(x+1)(x-2)(x-3) \\
.7=(x-3)(4 x-1)(5 x-6) \\
.8=(x+1)(x-2)(4 x-1)(2 x-3)
\end{array}\right], \begin{array}{c}
t \\
h \\
h \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00010XX Real02 Answers for No. 10000

$$
\text { Ansl }=\left[\begin{array}{c}
.1=[r=-20] \\
.2=[r=-13] \\
.3=[r=5] \\
.4=[r=1]
\end{array}\right], ~ A n s 2=\left[\begin{array}{c}
.1=[m=-5] \\
.2=[m=-3] \\
.3=[m=8] \\
.4=[m=\{-2,4\}]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.3=(x+1)\left(x^{2}-x+1\right) \\
.4=(x-4)(x+4)\left(x^{2}+16\right) \\
.5=(x+2)(x+1)(x-2)(x-6) \\
.6=(x+3)(x+1)\left(x^{2}+5 x+1\right) \\
.7=(x+2)(5 x-1)(3 x-2) \\
.8=(x+2)(x-3)(2 x+3)(3 x+2)
\end{array}\right], \quad,\left[\begin{array}{c}
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

x [Page = 0005] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00011XX Real02 Answers for No. 10017

$$
\text { Ans } 1=\left[\begin{array}{c}
.1=[r=5] \\
.2=[r=4] \\
.3=[r=-5] \\
.4=[r=-6]
\end{array}\right], ~ A n s 2=\left[\begin{array}{c}
.1=[m=5] \\
.2=[m=-5] \\
.3=[m=9] \\
.4=[m=\{3,5\}]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.2=(x-4)(x+4)(x-5)(x+5) \\
.3=(x-1)\left(x^{2}+x+1\right) \\
.4=(x-1)(x+1)\left(x^{2}+1\right) \\
.5=(x+4)(x+2)(x-1)(x-3) \\
.6=(x+3)(x-1)\left(x^{2}-3 x+1\right) \\
.7=(x+3)(3 x-2)(3 x+5) \\
.8=(x+1)(x-2)(2 x+3)(3 x+5)
\end{array}\right], \quad,\left[\begin{array}{c}
a \\
t \\
h \\
a \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

X Math@mut xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxm4/1-6600104-00012xx Real02 Answers for No. 10057

$$
\text { Ansl }=\left[\begin{array}{l}
.1=[r=5] \\
.2=[r=0] \\
.3=[r=6] \\
.4=[r=7]
\end{array}\right], \text { Ans2 }=\left[\begin{array}{c}
.1=[m=4] \\
.2=[m=0] \\
.3=[m=3] \\
.4=[m=\{-6,3\}]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.3=(x+2)\left(x^{2}-2 x+4\right) \\
.4=(x-1)(x+1)\left(x^{2}+1\right) \\
.5=(x+3)(x-1)\left(x^{2}-4 x+2\right) \\
.6=(x+2)(x-1)(x-3)(x-5) \\
.7=(x+1)(5 x-4)(3 x+5) \\
.8=(x+2)(x+1)(4 x-5)(4 x-3)
\end{array}\right], \quad,\left[\begin{array}{c}
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

X [Page = 0006] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00013XX Real02 Answers for No. 10061

$$
\text { Ans } 1=\left[\begin{array}{c}
.1=[r=-11] \\
.2=[r=13] \\
.3=[r=-1] \\
.4=[r=4]
\end{array}\right], ~ A n s 2=\left[\begin{array}{c}
.1=[m=-3] \\
.2=[m=-2] \\
.3=[m=\{-7,5\}] \\
.4=[m=-3]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.2=(x-2)(x+2)(x-5)(x+3) \\
.3=(x+4)\left(x^{2}-4 x+16\right) \\
.4=(x-4)(x+4)\left(x^{2}+16\right) \\
.5=(x-1)(x-2)(x-5)(x-6) \\
.6=(x+1)(x-2)\left(x^{2}-5 x+2\right) \\
.7=(x+1)(3 x+5)(2 x+3) \\
.8=(x+1)(x+3)(5 x+4)(3 x-2)
\end{array}\right], \quad,\left[\begin{array}{c}
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00014XX Real02 Answers for No. 10071

$$
\text { Ansl } \left.=\left[\begin{array}{l}
.1=[r=16] \\
.2=[r=-9] \\
.3=[r=-1] \\
.4=[r=-7]
\end{array}\right], \quad \text { Ans } 2=\left[\begin{array}{c}
.1=[m=-16] \\
.2=[m=0] \\
.3=[m=-12] \\
.4=[m=\{-7,-3\}]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.3=(x+5)\left(x^{2}-5 x+25\right) \\
.4=(x-3)(x+3)\left(x^{2}+9\right) \\
.5=(x+1)(x-2)\left(x^{2}-4 x+1\right) \\
.6=(x+3)(x+2)(x+1)(x-3) \\
.7=(x+1)(2 x-5)(5 x+4) \\
.8=(x+1)(x-2)(4 x+1)(2 x-3)
\end{array}\right], \begin{array}{c}
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

x [Page = 0007] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00015XX Real02 Answers for No. 10088

$$
\text { Ans } 1=\left[\begin{array}{c}
.1=[r=14] \\
.2=[r=3] \\
.3=[r=-2] \\
.4=[r=-4]
\end{array}\right], \quad A n s 2=\left[\begin{array}{c}
.1=[m=0] \\
.2=[m=9] \\
.3=[m=-11] \\
.4=[m=\{-3,2\}]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.3=(x+2)\left(x^{2}-2 x+4\right) \\
.4=(x-5)(x+5)\left(x^{2}+25\right) \\
.5=(x-1)(x-2)\left(x^{2}-4 x+2\right) \\
.6=(x+5)(x+3)(x-1)(x-2) \\
.7=(x-1)(5 x-4)(3 x+1) \\
.8=(x+2)(x-3)(5 x-3)(3 x-1)
\end{array}\right], \quad,\left[\begin{array}{c}
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00016XX Real02 Answers for No. 10385

$$
\text { Ansl }=\left[\begin{array}{c}
.1=[r=-13] \\
.2=[r=-9] \\
.3=[r=-4] \\
.4=[r=-3]
\end{array}\right], \text { Ans } 2=\left[\begin{array}{c}
.1=[m=-1] \\
.2=[m=0] \\
.3=[m=-3] \\
.4=[m=\{3,7\}]
\end{array}\right] \text {, Ans3 }=
$$

$$
=\left[\begin{array}{c}
.1=(x-2)(x+2)(x+3) \\
.2=(x-3)(x+3)(x-4)(x+4) \\
.3=(x-4)\left(x^{2}+4 x+16\right) \\
.4=(x-3)(x+3)\left(x^{2}+9\right) \\
.5=(x+2)(x-1)\left(x^{2}-x+2\right) \\
.6=(x+2)^{2}(x+1)(x-3) \\
.7=(x+1)(3 x+4)(3 x+5) \\
.8=(x+1)^{2}(3 x+1)(4 x-1)
\end{array}\right], \quad,\left[\begin{array}{c}
: D \\
M \\
a \\
t \\
h \\
M \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

x [Page = 0008] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00017XX Real02 Answers for No. 10387

$$
\text { Ans } 1=\left[\begin{array}{c}
.1=[r=2] \\
.2=[r=-6] \\
.3=[r=3] \\
.4=[r=1]
\end{array}\right], ~ A n s 2=\left[\begin{array}{c}
.1=[m=-2] \\
.2=[m=-2] \\
.3=[m=\{2,7\}] \\
.4=[m=16]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.2=(x-3)(x+3)(x-4)(x+4) \\
.3=(x-5)\left(x^{2}+5 x+25\right) \\
.4=(x-1)(x+1)\left(x^{2}+1\right) \\
.5=(x+3)(x-1)\left(x^{2}+x+2\right) \\
.6=(x+4)(x+2)(x+1)(x-4) \\
.7=(x+3)(5 x+6)(4 x-1) \\
.8=(x+3)(x-3)(5 x-4)(4 x-1)
\end{array}\right], \quad,\left[\begin{array}{c}
a \\
t \\
h \\
a \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

X Math@mut xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxm4/1-6600104-00018xx Real02 Answers for No. 10914

$$
\text { Ansl }=\left[\begin{array}{c}
.1=[r=10] \\
.2=[r=7] \\
.3=[r=-3] \\
.4=[r=7]
\end{array}\right], ~ A n s 2=\left[\begin{array}{c}
.1=[m=5] \\
.2=[m=0] \\
.3=[m=\{1,7\}] \\
.4=[m=-9]
\end{array}\right], \text { Ans3 }=\left[\begin{array}{c}
.3=(x-4)\left(x^{2}+4 x+16\right) \\
.4=(x-3)(x+3)\left(x^{2}+9\right) \\
.5=(x+5)(x+2)(x+1)(x-3) \\
.6=(x+2)(x-1)\left(x^{2}+5 x+1\right) \\
.7=(x-1)(5 x-3)(3 x-4) \\
.8=(x-2)(x-1)(3 x-1)(4 x-1)
\end{array}\right], \quad,\left[\begin{array}{c}
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

x [Page = 0009] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00019XX Real02 Answers for No. 10945

$$
A n s 1=\left[\begin{array}{c}
.1=[r=-2] \\
.2=[r=-10] \\
.3=[r=6] \\
.4=[r=2]
\end{array}\right], A n s 2=\left[\begin{array}{c}
.1=[m=0] \\
.2=[m=0] \\
.3=[m=-5] \\
.4=[m=\{1,7\}]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.1=(x-3)(x+3)(x+1) \\
.2=(x-1)(x+1)(x-2)(x+2) \\
.3=(x+2)\left(x^{2}-2 x+4\right) \\
.4=(x-5)(x+5)\left(x^{2}+25\right) \\
.5=(x+1)(x-2)(x-3)(x-6) \\
.6=(x-1)(x-3)\left(x^{2}-4 x+1\right) \\
.7=(x+3)(4 x+5)(4 x+1) \\
.8=(x+1)(x-2)(4 x-5)(4 x-1)
\end{array}\right],\left[\begin{array}{c}
: D \\
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00020XX Real02 Answers for No. 10954

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
.1=[r=7] \\
.2=[r=-2] \\
.3=[r=4] \\
.4=[r=7]
\end{array}\right], \quad A n s 2=\left[\begin{array}{c}
.1=[m=-12] \\
.2=[m=1] \\
.3=[m=\{-2,4\}] \\
.4=[m=0]
\end{array}\right], \text { Ans } 3= \\
& {\left[\begin{array}{c}
. l=(x-3)(x+3)(x+4) \\
.2=(x-2)(x+2)(x-5)(x+5) \\
.3=(x-2)\left(x^{2}+2 x+4\right) \\
.4=(x-5)(x+5)\left(x^{2}+25\right) \\
.5=(x+3)(x+1)\left(x^{2}-3 x+1\right) \\
.6=(x+5)(x-1)(x-3)(x-4) \\
.7=(x-1)(5 x-4)(3 x+4) \\
8=(x-3)(x-2)(4 x-1)(5 x+3)
\end{array}\right], \quad,\left[\begin{array}{c}
: D \\
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]}
\end{aligned}
$$

x [Page = 0010] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00021XX Real02 Answers for No. 10966

$$
\text { Ans } 1=\left[\begin{array}{c}
.1=[r=-7] \\
.2=[r=3] \\
.3=[r=4] \\
.4=[r=5]
\end{array}\right], ~ A n s 2=\left[\begin{array}{c}
. l=[m=5] \\
.2=[m=0] \\
.3=[m=6] \\
.4=[m=\{-3,-1\}]
\end{array}\right], A n s 3=\left[\begin{array}{c}
. l=(x-1)(x+1)(x-2) \\
.2=(x-1)(x+1)(x-3)(x+3) \\
.3=(x-1)\left(x^{2}+x+1\right) \\
.4=(x-1)(x+1)\left(x^{2}+1\right) \\
.5=(x+3)(x-2)\left(x^{2}+3 x+1\right) \\
.6=(x-1)(x-2)^{2}(x-4) \\
.7=(x+2)(2 x+3)(2 x-5) \\
.8=(x+2)^{2}(4 x+3)(5 x+3)
\end{array}\right], \quad,\left[\begin{array}{c}
: D \\
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00022XX Real02 Answers for No. 11154

$$
\begin{aligned}
& \text { Ans } 1=\left[\begin{array}{c}
.1=[r=14] \\
.2=[r=13] \\
.3=[r=7] \\
.4=[r=6]
\end{array}\right], ~ A n s 2=\left[\begin{array}{c}
.1=[m=-3] \\
.2=[m=4] \\
.3=[m=\{1,5\}] \\
.4=[m=2]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.2=(x-2)(x) \\
.3=(x+3)\left(x^{2}-3 x+9\right) \\
.4=(x-3)(x+3)\left(x^{2}+9\right) \\
.5=(x+5)(x+4)(x+2)(x-1) \\
.6=(x+3)(x-1)\left(x^{2}-5 x+2\right) \\
.7=(x-3)(5 x+4)(3 x-2) \\
.8=(x-2)(x+2)(5 x-3)(4 x-3)
\end{array}\right], \quad,\left[\begin{array}{c}
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
. D
\end{array}\right] \\
& \text { x [Page = 0011] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx }
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00023XX Real02 Answers for No. 11191

$$
\text { Ans } 1=\left[\begin{array}{c}
.1=[r=-11] \\
.2=[r=-7] \\
.3=[r=1] \\
.4=[r=-5]
\end{array}\right], ~ A n s 2=\left[\begin{array}{c}
.1=[m=3] \\
.2=[m=4] \\
.3=[m=-9] \\
.4=[m=\{-1,3\}
\end{array}\right], ~ A n s 3=\left[\begin{array}{c}
.1=(x-4)(x+4)(x+1) \\
.2=(x-2)(x+2)(x-4)(x+4) \\
.3=(x+4)\left(x^{2}-4 x+16\right) \\
.4=(x-4)(x+4)\left(x^{2}+16\right) \\
.5=(x+3)(x+2)\left(x^{2}-x+1\right) \\
.6=(x+5)(x+2)(x+1)(x-4) \\
.7=(x+1)(3 x+1)(4 x+5) \\
.8=(x+2)(x-3)(3 x-1)(4 x+5)
\end{array}\right],\left[\begin{array}{c}
: D \\
M \\
a \\
t \\
h \\
a \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00024XX Real02 Answers for No. 11309

$$
\text { Ansl }=\left[\begin{array}{c}
.1=[r=12] \\
.2=[r=1] \\
.3=[r=7] \\
.4=[r=5]
\end{array}\right], \quad \operatorname{lns} 2=\left[\begin{array}{c}
.1=[m=-5] \\
.2=[m=0] \\
.3=[m=-20] \\
.4=[m=\{-7,-3\}]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.3=(x+1)\left(x^{2}-x+1\right) \\
.4=(x-2)(x+2)\left(x^{2}+4\right) \\
.5=(x+5)(x-1)(x-3)(x-4) \\
.6=(x-2)(x-3)\left(x^{2}-2 x+2\right) \\
.7=(x-2)(5 x+6)(2 x-1) \\
.8=(x+1)(x+3)(2 x-1)(2 x-3)
\end{array}\right], \quad,\left[\begin{array}{c}
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

x [Page = 0012] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00025XX Real02 Answers for No. 12037

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00026XX Real02 Answers for No. 12454

$$
\text { Ansl } \left.=\left[\begin{array}{c}
. l=[r=-17] \\
.2=[r=3] \\
.3=[r=7] \\
.4=[r=-7]
\end{array}\right], ~ A n s 2=\left[\begin{array}{c}
. l=[m=-6] \\
.2=[m=0] \\
.3=[m=\{-5,6\} \\
.4=[m=1]
\end{array}\right], ~ A n s 3=\left[\begin{array}{c}
. l=(x-3)(x+3)(x+4) \\
.2=(x-2)(x+2)(x-5)(x+5) \\
.3=(x-5)\left(x^{2}+5 x+25\right) \\
.4=(x-5)(x+5)\left(x^{2}+25\right) \\
.5=(x+6)(x+2)(x-1)(x-3) \\
.6=(x+1)(x-3)\left(x^{2}-5 x+1\right) \\
.7=(x+2)(2 x-1)(5 x-1) \\
.8=(x+2)(x-1)(4 x+1)(3 x-5)
\end{array}\right], \begin{array}{c}
: D \\
M \\
a \\
t \\
h \\
a, \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

x [Page = 0013] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00027XX Real02 Answers for No. 12483

$$
\text { Ans } 1=\left[\begin{array}{l}
.1=[r=5] \\
.2=[r=-4] \\
.3=[r=-5] \\
.4=[r=-7]
\end{array}\right], \quad A n s 2=\left[\begin{array}{c}
.1=[m=3] \\
.2=[m=4] \\
.3=[m=1] \\
.4=[m=\{5,6\}]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.2=(x-2)(x+2)(x-3)(x+3) \\
.3=(x-3)\left(x^{2}+3 x+9\right) \\
.4=(x-4)(x+4)\left(x^{2}+16\right) \\
.5=(x+3)(x-1)\left(x^{2}-x+2\right) \\
.6=(x+4)(x+2)(x-1)(x-4) \\
.7=(x+2)(5 x-3)(3 x-4) \\
.8=(x+1)(x-2)(2 x+1)(5 x-6)
\end{array}\right], \quad,\left[\begin{array}{c}
a \\
t \\
h \\
a \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00028XX Real02 Answers for No. 12557

$$
\text { Ansl }=\left[\begin{array}{c}
.1=[r=-12] \\
.2=[r=8] \\
.3=[r=5] \\
.4=[r=-6]
\end{array}\right], \operatorname{Ans} 2=\left[\begin{array}{c}
.1=[m=-4] \\
.2=[m=0] \\
.3=[m=\{-4,2\}] \\
.4=[m=2]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.3=(x+5)\left(x^{2}-5 x+25\right) \\
.4=(x-1)(x+1)\left(x^{2}+1\right) \\
.5=(x+3)(x-2)\left(x^{2}+4 x+1\right) \\
.6=(x+2)(x-1)(x-3)(x-6) \\
.7=(x+1)(4 x+1)(2 x-3) \\
.8=(x+2)(x-1)(2 x-5)(5 x-3)
\end{array}\right], \quad,\left[\begin{array}{c}
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

x [Page = 0014] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00029XX Real02 Answers for No. 12637

$$
\text { Ansl } \left.=\left[\begin{array}{c}
.1=[r=20] \\
.2=[r=-1] \\
.3=[r=-2] \\
.4=[r=2]
\end{array}\right], \quad A n s 2=\left[\begin{array}{c}
.1=[m=-4] \\
.2=[m=1] \\
.3=[m=\{-7,-5\} \\
.4=[m=-15]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.2=(x-3)(x+3)(x-4)(x+4) \\
.3=(x-2)\left(x^{2}+2 x+4\right) \\
.4=(x-2)(x+2)\left(x^{2}+4\right) \\
.5=(x+6)(x+2)(x+1)(x-4) \\
.6=(x-1)(x-2)\left(x^{2}-5 x+1\right) \\
.7=(x+2)(4 x-3)(2 x+3) \\
.8=(x+1)(x-2)(5 x-6)(3 x+2)
\end{array}\right], \begin{array}{c}
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
. D
\end{array}\right]
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00030XX Real02 Answers for No. 12689

$$
\left.A n s 1=\left[\begin{array}{c}
.1=[r=-4] \\
.2=[r=-19 \\
.3=[r=-7] \\
.4=[r=-6]
\end{array}\right], ~ A n s 2=\left[\begin{array}{c}
.1=[m=-5] \\
.2=[m=-9] \\
.3=[m=5] \\
.4=[m=\{5,6\}
\end{array}\right], ~ A n s 3=\left[\begin{array}{c}
.1=(x-2)(x+2)(x-4) \\
.2=(x-2)(x+2)(x-4)(x+4) \\
.3=(x-1)\left(x^{2}+x+1\right) \\
.4=(x-1)(x+1)\left(x^{2}+1\right) \\
.5=(x+3)(x+2)\left(x^{2}+2 x+2\right) \\
.6=(x+3)(x+2)(x+1)(x-3) \\
.7=(x-3)(2 x+3)(4 x+1) \\
.8=(x-3)(x-2)(2 x+5)(4 x-1)
\end{array}\right], \begin{array}{c}
0 \\
M \\
a \\
t \\
h \\
M \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

x [Page = 0015] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00031XX Real02 Answers for No. 13349

$$
\text { Ans } \left.1=\left[\begin{array}{l}
.1=[r=6] \\
.2=[r=1] \\
.3=[r=-3] \\
.4=[r=-4]
\end{array}\right], ~ A n s 2=\left[\begin{array}{c}
.1=[m=0] \\
.2=[m=-5] \\
.3=[m=\{-7,-2\} \\
.4=[m=9]
\end{array}\right], \text { Ans } 3=\left[\begin{array}{c}
.2=(x-1)(x+1)(x-3)(x+3) \\
.3=(x+5)\left(x^{2}-5 x+25\right) \\
.4=(x-5)(x+5)\left(x^{2}+25\right) \\
.5=(x+4)(x-1)(x-3)(x-4) \\
.6=(x+3)(x+2)\left(x^{2}+3 x+1\right) \\
.7=(x+2)(4 x-3)(5 x-4) \\
.8=(x+3)(x-1)(3 x-5)(3 x+2)
\end{array}\right], \quad, \quad \begin{array}{c}
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00032XX Real02 Answers for No. 13519
x [Page = 0016] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00033XX Real02 Answers for No. 14276

$$
A n s 1=\left[\begin{array}{c}
.1=[r=-7] \\
.2=[r=2] \\
.3=[r=-4] \\
.4=[r=4]
\end{array}\right], \quad A n s 2=\left[\begin{array}{c}
.1=[m=4] \\
.2=[m=-3] \\
.3=[m=\{-3,5\}] \\
.4=[m=-9]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.1=(x-2)(x+2)(x-3) \\
.2=(x-4)(x+4)(x-5)(x+5) \\
.3=(x-1)\left(x^{2}+x+1\right) \\
.4=(x-3)(x+3)\left(x^{2}+9\right) \\
.5=(x+2)(x-1)(x-5)(x-6) \\
.6=(x-1)(x-2)\left(x^{2}+4 x+1\right) \\
.7=(x+3)(2 x+3)(3 x+1) \\
.8=(x+1)(x-2)(4 x+3)(2 x+5)
\end{array}\right],\left[\begin{array}{c}
: D \\
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00034XX Real02 Answers for No. 14331

$$
\text { Ansl }=\left[\begin{array}{l}
.1=[r=2] \\
.2=[r=-6] \\
.3=[r=-1] \\
.4=[r=-5]
\end{array}\right], \quad A n s 2=\left[\begin{array}{c}
.1=[m=-3] \\
.2=[m=-15] \\
.3=[m=-4] \\
.4=[m=\{5,7\}]
\end{array}\right], \quad A n s 3=\left[\begin{array}{c}
.3=(x+2)\left(x^{2}-2 x+4\right) \\
.4=(x-5)(x+5)\left(x^{2}+25\right) \\
.5=(x+6)(x+2)(x-1)(x-5) \\
.6=(x+2)(x-1)\left(x^{2}-5 x+1\right) \\
.7=(x+2)(5 x-1)(2 x+3) \\
.8=(x-1)^{2}(4 x-3)(5 x-3)
\end{array}\right], \quad,\left[\begin{array}{c}
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

x [Page = 0017] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00035XX Real02 Answers for No. 14360

$$
\text { Ansl } \left.=\left[\begin{array}{c}
.1=[r=13] \\
.2=[r=-20] \\
.3=[r=-2] \\
.4=[r=-7]
\end{array}\right], ~ A n s 2=\left[\begin{array}{c}
.1=[m=-4] \\
.2=[m=-4] \\
.3=[m=-7] \\
.4=[m=\{-4,7\}]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.2=(x-2)(x+2)(x-4)(x+4) \\
.3=(x-5)\left(x^{2}+5 x+25\right) \\
.4=(x-1)(x+1)\left(x^{2}+1\right) \\
.5=(x+3)(x+2)(x-1)(x-5) \\
.6=(x+3)(x+1)\left(x^{2}-5 x+2\right) \\
.7=(x-1)(4 x+3)(2 x+5) \\
.8=(x+1)(x-2)(4 x-5)(4 x-1)
\end{array}\right], \begin{array}{c}
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00036XX Real02 Answers for No. 14380

$$
\left.A n s 1=\left[\begin{array}{l}
.1=[r=5] \\
.2=[r=-5] \\
.3=[r=-5] \\
.4=[r=-6]
\end{array}\right], A n s 2=\left[\begin{array}{c}
.1=[m=4] \\
.2=[m=-16] \\
.3=[m=0] \\
.4=[m=\{1,6\}]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.1=(x-1)(x+1)(x-3) \\
.2=(x-4)(x+4)(x-5)(x+5) \\
.3=(x+2)\left(x^{2}-2 x+4\right) \\
.4=(x-1)(x+1)\left(x^{2}+1\right) \\
.5=(x+3)(x+2)(x-1)(x-5) \\
.6=(x-1)(x-3)\left(x^{2}+x+2\right) \\
.7=(x+1)(2 x-1)(5 x+2) \\
=(x+1)(x-1)(5 x-1)(3 x-2)
\end{array}\right], \begin{array}{c}
: D \\
M \\
a \\
t \\
h \\
a \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

x [Page = 0018] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00037XX Real02 Answers for No. 14393

$$
\left.A n s 1=\left[\begin{array}{c}
.1=[r=-8] \\
.2=[r=-11] \\
.3=[r=7] \\
.4=[r=7]
\end{array}\right], \quad A n s 2=\left[\begin{array}{c}
.1=[m=0] \\
.2=[m=0] \\
.3=[m=\{-2,3\} \\
.4=[m=0]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.2=(x-1)(x+1)(x-5)(x+5) \\
.3=(x-3)\left(x^{2}+3 x+9\right) \\
.4=(x-2)(x+2)\left(x^{2}+4\right) \\
.5=(x+3)(x+1)\left(x^{2}+5 x+1\right) \\
.6=(x+1)(x-2)(x-3)(x-6) \\
.7=(x-1)(5 x-2)(4 x+3) \\
.8=(x+2)(x-1)(4 x+3)(3 x+5)
\end{array}\right], \begin{array}{c}
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
. D
\end{array}\right]
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00038XX Real02 Answers for No. 14418

$$
\text { Ans } 1=\left[\begin{array}{c}
.1=[r=19] \\
.2=[r=17] \\
.3=[r=3] \\
.4=[r=3]
\end{array}\right], \quad \operatorname{lns} 2=\left[\begin{array}{c}
.1=[m=3] \\
.2=[m=0] \\
.3=[m=-12] \\
.4=[m=\{-3,1\}]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.3=(x-4)\left(x^{2}+4 x+16\right) \\
.4=(x-3)(x+3)\left(x^{2}+9\right) \\
.5=(x+4)(x+3)(x+1)(x-3) \\
.6=(x+3)(x-1)\left(x^{2}-x+1\right) \\
.7=(x+1)(5 x-4)(4 x-1) \\
.8=(x+1)(x-1)(2 x-3)(4 x-3)
\end{array}\right], \quad,\left[\begin{array}{c}
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

x [Page = 0019] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/1-6600104-00039XX Real02 Answers for No. 14419

$$
\text { Ans } 1=\left[\begin{array}{l}
.1=[r=4] \\
.2=[r=7] \\
.3=[r=-7] \\
.4=[r=1]
\end{array}\right], ~ A n s 2=\left[\begin{array}{c}
.1=[m=-16] \\
.2=[m=-5] \\
.3=[m=\{3,6\}] \\
.4=[m=3]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.3=(x-5)\left(x^{2}+5 x+25\right) \\
.4=(x-5)(x+5)\left(x^{2}+25\right) \\
.5=(x+4)(x+3)(x+2)(x-1) \\
.6=(x+2)(x+1)\left(x^{2}-x+1\right) \\
.7=(x-2)(3 x+1)(2 x-5) \\
.8=(x-3)(x-2)(5 x-1)(2 x+5)
\end{array}\right], \quad,\left[\begin{array}{c}
a \\
t \\
h \\
@ \\
M \\
U \\
T \\
: D
\end{array}\right]
$$

xXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

