

Matrix Practice Answer

CBDT

September 9, 2024

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1 Matrix Multiplication

answer1

$$\begin{bmatrix} -6 & 6 \\ 5 & -86 \end{bmatrix}$$

answer2

$$\begin{bmatrix} 24 & 8 \\ -45 & -45 \end{bmatrix}$$

answer3

$$\begin{bmatrix} -44 & -7 \\ 4 & 2 \end{bmatrix}$$

answer4

$$\begin{bmatrix} 2 & 46 \\ 37 & 5 \end{bmatrix}$$

answer5

$$\begin{bmatrix} -37 & -85 \\ -49 & 113 \end{bmatrix}$$

answer6

$$\begin{bmatrix} -35 & -68 \\ 10 & 6 \end{bmatrix}$$

answer7

$$\begin{bmatrix} 100 & 9 \\ -68 & -1 \end{bmatrix}$$

answer8

$$\begin{bmatrix} 9 & 55 \\ 0 & -58 \end{bmatrix}$$

answer9	$\begin{bmatrix} 5 & -12 \\ 100 & 64 \end{bmatrix}$
answer10	$\begin{bmatrix} 15 & -18 \\ 45 & 36 \end{bmatrix}$
answer11	$\begin{bmatrix} 45 & 18 \\ -61 & -9 \end{bmatrix}$
answer12	$\begin{bmatrix} 64 & -35 \\ -41 & 25 \end{bmatrix}$
answer13	$\begin{bmatrix} -39 & 51 \\ -15 & 21 \end{bmatrix}$
answer14	$\begin{bmatrix} 50 & 42 \\ -24 & -56 \end{bmatrix}$
answer15	$\begin{bmatrix} 9 & 11 \\ 66 & 86 \end{bmatrix}$
answer16	$\begin{bmatrix} 26 & -88 \\ 3 & 0 \end{bmatrix}$
answer17	$\begin{bmatrix} -39 & 24 \\ 126 & -36 \end{bmatrix}$
answer18	$\begin{bmatrix} 74 & 12 \\ -78 & -24 \end{bmatrix}$
answer19	$\begin{bmatrix} -2 & -5 \\ 93 & 12 \end{bmatrix}$
answer20	$\begin{bmatrix} -63 & 63 \\ -63 & 42 \end{bmatrix}$
answer21	$\begin{bmatrix} 66 & -74 \\ -96 & 16 \end{bmatrix}$
answer22	$\begin{bmatrix} 35 & 50 \\ -15 & -30 \end{bmatrix}$

answer23

$$\begin{bmatrix} 56 & 62 \\ -35 & -58 \end{bmatrix}$$

answer24

$$\begin{bmatrix} -24 & 54 \\ 62 & 49 \end{bmatrix}$$

answer25

$$\begin{bmatrix} 48 & 42 \\ -18 & -69 \end{bmatrix}$$

answer26

$$\begin{bmatrix} -41 & -34 \\ -39 & -42 \end{bmatrix}$$

answer27

$$\begin{bmatrix} -44 & -42 \\ 89 & 15 \end{bmatrix}$$

answer28

$$\begin{bmatrix} -32 & 96 \\ 30 & 24 \end{bmatrix}$$

answer29

$$\begin{bmatrix} 1 & -24 \\ 39 & -56 \end{bmatrix}$$

answer30

$$\begin{bmatrix} 1 & -58 \\ -73 & 84 \end{bmatrix}$$

answer31

$$\begin{bmatrix} -128 & 88 \\ -14 & 4 \end{bmatrix}$$

answer32

$$\begin{bmatrix} 18 & -25 \\ -12 & 35 \end{bmatrix}$$

answer33

$$\begin{bmatrix} 76 & 31 \\ -52 & 9 \end{bmatrix}$$

answer34

$$\begin{bmatrix} -8 & -28 \\ 4 & -38 \end{bmatrix}$$

answer35

$$\begin{bmatrix} -22 & -30 \\ -20 & -24 \end{bmatrix}$$

answer36

$$\begin{bmatrix} 4 & 49 \\ -20 & -2 \end{bmatrix}$$

answer37

$$\begin{bmatrix} 18 & 8 \\ -30 & -7 \end{bmatrix}$$

answer38

$$\begin{bmatrix} 24 & -114 \\ 99 & -57 \end{bmatrix}$$

answer39

$$\begin{bmatrix} -53 & -48 \\ 14 & 3 \end{bmatrix}$$

answer40

$$\begin{bmatrix} 53 & 5 \\ -60 & 68 \end{bmatrix}$$

answer41

$$\begin{bmatrix} -33 & 16 \\ 3 & 3 \end{bmatrix}$$

answer42

$$\begin{bmatrix} -93 & 112 \\ -74 & 88 \end{bmatrix}$$

answer43

$$\begin{bmatrix} -7 & 15 \\ 6 & 50 \end{bmatrix}$$

answer44

$$\begin{bmatrix} 79 & -7 \\ -68 & 5 \end{bmatrix}$$

answer45

$$\begin{bmatrix} -28 & -12 \\ 42 & -49 \end{bmatrix}$$

answer46

$$\begin{bmatrix} 45 & -47 \\ 69 & -87 \end{bmatrix}$$

answer47

$$\begin{bmatrix} -115 & 15 \\ -79 & 10 \end{bmatrix}$$

answer48

$$\begin{bmatrix} 30 & -64 \\ -30 & 96 \end{bmatrix}$$

answer49

$$\begin{bmatrix} -72 & 64 \\ 117 & -40 \end{bmatrix}$$

answer50

$$\begin{bmatrix} 117 & -54 \\ 105 & -35 \end{bmatrix}$$

answer51

$$\begin{bmatrix} 118 & 84 & -25 \\ 150 & 52 & 57 \\ 48 & 66 & 8 \end{bmatrix}$$

answer52

$$\begin{bmatrix} 110 & 61 & 30 \\ 71 & -8 & 13 \\ 42 & 21 & 68 \end{bmatrix}$$

answer53

$$\begin{bmatrix} -34 & -124 & -17 \\ 2 & -53 & -14 \\ 34 & 119 & 26 \end{bmatrix}$$

answer54

$$\begin{bmatrix} 55 & -73 & 83 \\ -32 & 55 & -89 \\ -7 & -28 & 44 \end{bmatrix}$$

answer55

$$\begin{bmatrix} 96 & 5 & 51 \\ 54 & 69 & -9 \\ 36 & -26 & -52 \end{bmatrix}$$

answer56

$$\begin{bmatrix} 111 & -28 & -12 \\ 70 & 25 & -29 \\ -28 & -32 & -17 \end{bmatrix}$$

answer57

$$\begin{bmatrix} -16 & 15 & 41 \\ 136 & -51 & -83 \\ -98 & 108 & -21 \end{bmatrix}$$

answer58

$$\begin{bmatrix} -34 & -17 & 79 \\ -9 & -30 & 33 \\ -39 & 6 & 75 \end{bmatrix}$$

answer59

$$\begin{bmatrix} -76 & -3 & 53 \\ 72 & 8 & -92 \\ -5 & 98 & -76 \end{bmatrix}$$

answer60

$$\begin{bmatrix} -26 & -32 & 6 \\ 122 & -6 & -30 \\ -25 & -22 & 26 \end{bmatrix}$$

answer61

$$\begin{bmatrix} 35 & -6 & -19 \\ -55 & 38 & 35 \\ 26 & 1 & 44 \end{bmatrix}$$

answer62

$$\begin{bmatrix} 4 & -43 & 50 \\ 57 & 37 & -44 \\ -58 & -20 & 34 \end{bmatrix}$$

answer63

$$\begin{bmatrix} 77 & -15 & -38 \\ -16 & 10 & 74 \\ -10 & 0 & -10 \end{bmatrix}$$

answer64

$$\begin{bmatrix} 38 & -60 & 24 \\ -48 & 175 & 1 \\ -69 & 96 & -45 \end{bmatrix}$$

answer65

$$\begin{bmatrix} 111 & 56 & 146 \\ -110 & -82 & -79 \\ 43 & -5 & 109 \end{bmatrix}$$

answer66

$$\begin{bmatrix} -17 & -65 & 54 \\ 44 & 77 & -107 \\ -22 & 22 & 5 \end{bmatrix}$$

answer67

$$\begin{bmatrix} -9 & 35 & 92 \\ 19 & -65 & -170 \\ -34 & -2 & -5 \end{bmatrix}$$

answer68

$$\begin{bmatrix} 70 & -108 & 16 \\ 40 & -76 & 42 \\ -3 & 36 & -46 \end{bmatrix}$$

answer69

$$\begin{bmatrix} 71 & -23 & -22 \\ 58 & -54 & 4 \\ -59 & -8 & -92 \end{bmatrix}$$

answer70

$$\begin{bmatrix} 49 & -115 & 5 \\ -5 & -47 & 12 \\ 46 & -113 & 30 \end{bmatrix}$$

answer71

$$\begin{bmatrix} -16 & -121 & -21 \\ -56 & -68 & -72 \\ 60 & 48 & 68 \end{bmatrix}$$

answer72

$$\begin{bmatrix} 21 & 110 & -168 \\ 2 & -31 & 49 \\ -16 & -22 & 50 \end{bmatrix}$$

answer73

$$\begin{bmatrix} 72 & -8 & 12 \\ -90 & -104 & 102 \\ -90 & -116 & 120 \end{bmatrix}$$

answer74

$$\begin{bmatrix} -9 & -37 & 3 \\ -35 & 15 & -20 \\ -93 & 25 & -38 \end{bmatrix}$$

answer75

$$\begin{bmatrix} 11 & 10 & 20 \\ -53 & -70 & 95 \\ 8 & 16 & -33 \end{bmatrix}$$

answer76

$$\begin{bmatrix} -30 & -30 & 50 \\ 43 & 30 & -69 \\ -12 & 0 & 6 \end{bmatrix}$$

answer77

$$\begin{bmatrix} 63 & 57 & -40 \\ -4 & 61 & -40 \\ -17 & -5 & 25 \end{bmatrix}$$

answer78

$$\begin{bmatrix} -12 & 52 & -36 \\ 21 & -142 & 22 \\ 3 & -15 & -52 \end{bmatrix}$$

answer79

$$\begin{bmatrix} -46 & 130 & 70 \\ 12 & -131 & -21 \\ 46 & -42 & -5 \end{bmatrix}$$

answer80

$$\begin{bmatrix} -3 & -6 & 66 \\ -9 & -45 & 23 \\ -4 & 25 & 74 \end{bmatrix}$$

answer81

$$\begin{bmatrix} -36 & 40 & -46 \\ -18 & 28 & -25 \\ -60 & -16 & 58 \end{bmatrix}$$

answer82

$$\begin{bmatrix} 26 & -7 & -64 \\ -51 & 61 & 48 \\ -64 & 50 & 38 \end{bmatrix}$$

answer83

$$\begin{bmatrix} -75 & -72 & 3 \\ -7 & -21 & -27 \\ 26 & 61 & 60 \end{bmatrix}$$

answer84

$$\begin{bmatrix} 54 & -9 & 31 \\ 76 & 52 & -31 \\ -56 & 0 & -28 \end{bmatrix}$$

answer85

$$\begin{bmatrix} 24 & -44 & -94 \\ 60 & 46 & 85 \\ 67 & 45 & 88 \end{bmatrix}$$

answer86

$$\begin{bmatrix} -90 & 0 & 109 \\ 153 & 75 & -1 \\ -168 & -70 & 49 \end{bmatrix}$$

answer87

$$\begin{bmatrix} -82 & -6 & 44 \\ 25 & 19 & 32 \\ 24 & -1 & -25 \end{bmatrix}$$

answer88

$$\begin{bmatrix} 5 & 29 & -68 \\ 81 & 26 & 72 \\ 21 & 11 & 12 \end{bmatrix}$$

answer89

$$\begin{bmatrix} -81 & 21 & 33 \\ 59 & 34 & -37 \\ 65 & -143 & -19 \end{bmatrix}$$

answer90

$$\begin{bmatrix} -20 & -12 & 38 \\ -48 & -10 & -8 \\ -125 & 55 & -146 \end{bmatrix}$$

answer91

$$\begin{bmatrix} -15 & 10 & -72 \\ -17 & -30 & -22 \\ -33 & 50 & 18 \end{bmatrix}$$

answer92

$$\begin{bmatrix} 6 & 113 & -34 \\ -8 & -2 & -24 \\ -20 & 22 & -60 \end{bmatrix}$$

answer93

$$\begin{bmatrix} 58 & 80 & 35 \\ 41 & -32 & 13 \\ 107 & -14 & -23 \end{bmatrix}$$

answer94

$$\begin{bmatrix} -66 & 63 & -71 \\ 43 & -41 & 45 \\ 36 & -29 & 61 \end{bmatrix}$$

answer95

$$\begin{bmatrix} -13 & -51 & 2 \\ -3 & 53 & 28 \\ 112 & 70 & -84 \end{bmatrix}$$

answer96

$$\begin{bmatrix} -46 & 48 & 23 \\ 44 & -44 & -5 \\ -41 & 35 & 26 \end{bmatrix}$$

answer97

$$\begin{bmatrix} -24 & -84 & 108 \\ -44 & -38 & 111 \\ -26 & 6 & -27 \end{bmatrix}$$

answer98

$$\begin{bmatrix} 0 & -12 & -96 \\ -127 & 73 & 20 \\ 52 & -64 & -110 \end{bmatrix}$$

answer99

$$\begin{bmatrix} 88 & 75 & -28 \\ 56 & 5 & 6 \\ 33 & -13 & 19 \end{bmatrix}$$

answer100

$$\begin{bmatrix} 61 & -16 & 55 \\ -40 & 15 & -37 \\ 19 & 36 & 43 \end{bmatrix}$$

answer101

$$\begin{bmatrix} -73 & 65 & 88 & -127 \\ -68 & 0 & 23 & -57 \\ -62 & -58 & -20 & -12 \\ 62 & -50 & -35 & 50 \end{bmatrix}$$

answer102

$$\begin{bmatrix} 75 & -7 & -76 & 41 \\ 5 & 118 & 32 & 42 \\ -26 & -9 & 132 & -49 \\ -79 & -46 & -42 & 12 \end{bmatrix}$$

answer103

$$\begin{bmatrix} 3 & 71 & 33 & 60 \\ 27 & -95 & -79 & -62 \\ 90 & 32 & -2 & 58 \\ 10 & 6 & 11 & -10 \end{bmatrix}$$

answer104

$$\begin{bmatrix} 13 & -119 & 107 & 51 \\ -84 & 66 & 34 & -48 \\ 87 & -49 & -19 & -26 \\ -34 & -2 & 10 & 61 \end{bmatrix}$$

answer105

$$\begin{bmatrix} 81 & -24 & -30 & -27 \\ -4 & 74 & 30 & -9 \\ -19 & -106 & -103 & -52 \\ -158 & 16 & -44 & -80 \end{bmatrix}$$

answer106

$$\begin{bmatrix} 26 & -32 & -3 & 31 \\ 13 & -54 & -41 & 24 \\ -72 & 11 & 4 & -36 \\ -42 & -20 & -4 & 0 \end{bmatrix}$$

answer107

$$\begin{bmatrix} -104 & 106 & -3 & 102 \\ 18 & -126 & 66 & -4 \\ -64 & -70 & 73 & 65 \\ 110 & 24 & 1 & -45 \end{bmatrix}$$

answer108

$$\begin{bmatrix} -8 & -37 & 3 & 13 \\ 45 & -59 & -7 & 11 \\ 37 & -95 & -41 & -33 \\ 22 & 12 & -62 & 80 \end{bmatrix}$$

answer109

$$\begin{bmatrix} -47 & 80 & 42 & -35 \\ 36 & -79 & 17 & -35 \\ 74 & -13 & -66 & 57 \\ -13 & -22 & -2 & 6 \end{bmatrix}$$

answer110

$$\begin{bmatrix} 27 & 201 & -63 & 9 \\ 0 & 65 & -76 & 29 \\ 12 & -16 & 78 & 54 \\ -8 & -37 & 58 & -11 \end{bmatrix}$$

answer111

$$\begin{bmatrix} -22 & 2 & 76 & -23 \\ -54 & 29 & -48 & -62 \\ 58 & -26 & 140 & -52 \\ 32 & 5 & 44 & -68 \end{bmatrix}$$

answer112

$$\begin{bmatrix} -58 & 139 & 70 & -66 \\ 120 & -31 & -70 & -59 \\ 165 & -96 & -95 & -13 \\ 148 & -80 & -98 & -84 \end{bmatrix}$$

answer113

$$\begin{bmatrix} 54 & -36 & 33 & 22 \\ -29 & -33 & -19 & -49 \\ 22 & -85 & 2 & 4 \\ 85 & 80 & -38 & -61 \end{bmatrix}$$

answer114

$$\begin{bmatrix} -26 & 49 & 7 & 70 \\ -2 & -33 & -57 & -42 \\ 3 & 109 & 172 & 1 \\ -18 & 88 & 78 & 86 \end{bmatrix}$$

answer115

$$\begin{bmatrix} 48 & 32 & 74 & -114 \\ -67 & 65 & -20 & -23 \\ -159 & 43 & -52 & 30 \\ 7 & 63 & -49 & 48 \end{bmatrix}$$

answer116

$$\begin{bmatrix} -75 & -98 & 70 & 12 \\ 70 & -49 & -8 & 20 \\ -71 & -87 & 92 & 7 \\ -23 & 21 & -32 & -4 \end{bmatrix}$$

answer117

$$\begin{bmatrix} 52 & -45 & -8 & 59 \\ 76 & -27 & -63 & -118 \\ -65 & 74 & 17 & 134 \\ 30 & -37 & -84 & -9 \end{bmatrix}$$

answer118

$$\begin{bmatrix} -42 & -50 & 97 & 57 \\ -40 & -51 & 116 & 72 \\ -54 & -19 & 52 & -62 \\ -25 & -12 & -53 & -124 \end{bmatrix}$$

answer119

$$\begin{bmatrix} -31 & 75 & -53 & -47 \\ 68 & 32 & 0 & -8 \\ 62 & 24 & 24 & 70 \\ 2 & -107 & 65 & 53 \end{bmatrix}$$

answer120

$$\begin{bmatrix} -22 & -119 & -64 & -22 \\ 12 & 4 & -142 & -40 \\ 62 & 27 & -2 & 2 \\ -12 & 139 & 24 & -32 \end{bmatrix}$$

answer121

$$\begin{bmatrix} 26 & 42 & -32 & -86 \\ -108 & -26 & -26 & 86 \\ 94 & 111 & 64 & -45 \\ 69 & 65 & 13 & 14 \end{bmatrix}$$

answer122

$$\begin{bmatrix} -95 & -85 & -23 & -91 \\ -10 & 27 & -115 & -181 \\ 7 & 29 & 12 & -70 \\ 159 & 126 & 62 & 24 \end{bmatrix}$$

answer123

$$\begin{bmatrix} -19 & -30 & 31 & -21 \\ -84 & 72 & 76 & -125 \\ -12 & -82 & -88 & 28 \\ -62 & 63 & -24 & -44 \end{bmatrix}$$

answer124

$$\begin{bmatrix} 87 & 42 & -83 & 120 \\ 59 & 75 & -84 & 75 \\ -26 & -102 & 58 & -96 \\ 9 & -21 & 0 & -18 \end{bmatrix}$$

answer125

$$\begin{bmatrix} -88 & 21 & 70 & -39 \\ 93 & -40 & -63 & 31 \\ -5 & 65 & 20 & -19 \\ 49 & -22 & -54 & 53 \end{bmatrix}$$

answer126

$$\begin{bmatrix} 58 & 18 & 53 & -58 \\ -170 & 70 & 18 & 62 \\ 172 & -20 & 54 & -60 \\ 88 & 25 & 81 & 10 \end{bmatrix}$$

answer127

$$\begin{bmatrix} -66 & -27 & 6 & 83 \\ -92 & -46 & 32 & 80 \\ 6 & 23 & -60 & 40 \\ 21 & 61 & -18 & -74 \end{bmatrix}$$

answer128

$$\begin{bmatrix} -10 & 133 & -51 & -12 \\ -22 & 0 & -32 & 77 \\ 14 & 104 & -78 & 7 \\ -24 & -33 & -3 & 54 \end{bmatrix}$$

answer129

$$\begin{bmatrix} 11 & -62 & -39 & -49 \\ 77 & -11 & -44 & -44 \\ -12 & -80 & -50 & 16 \\ -78 & 72 & 72 & -30 \end{bmatrix}$$

answer130

$$\begin{bmatrix} -80 & 31 & -104 & -18 \\ -18 & -21 & 2 & 57 \\ 60 & -7 & -12 & 19 \\ 184 & 22 & 160 & 12 \end{bmatrix}$$

answer131

$$\begin{bmatrix} 4 & 21 & 4 & 30 \\ 0 & -24 & -70 & -38 \\ -54 & -4 & -132 & 166 \\ 6 & 128 & 22 & -9 \end{bmatrix}$$

answer132

$$\begin{bmatrix} 27 & -28 & -36 & -33 \\ -105 & -37 & 21 & -14 \\ -100 & -78 & 44 & -61 \\ -22 & 55 & 15 & -48 \end{bmatrix}$$

answer133

$$\begin{bmatrix} -77 & 3 & 33 & 11 \\ -111 & -39 & -27 & -195 \\ -21 & 116 & 34 & -11 \\ -75 & -64 & -56 & -161 \end{bmatrix}$$

answer134

$$\begin{bmatrix} 37 & 18 & -36 & -94 \\ -64 & -20 & 26 & 140 \\ 15 & -52 & 88 & -50 \\ -28 & 14 & 94 & 2 \end{bmatrix}$$

answer135

$$\begin{bmatrix} 64 & -28 & 49 & -19 \\ 11 & 75 & 77 & 36 \\ 73 & -40 & -9 & -17 \\ -15 & 17 & -8 & 9 \end{bmatrix}$$

answer136

$$\begin{bmatrix} 107 & 22 & -29 & -54 \\ -70 & 115 & 94 & 86 \\ -25 & 108 & 67 & 50 \\ -82 & 0 & -8 & 30 \end{bmatrix}$$

answer137

$$\begin{bmatrix} -63 & -39 & -10 & -31 \\ 71 & -12 & -25 & 58 \\ -8 & -63 & 3 & 87 \\ -48 & 30 & 14 & -68 \end{bmatrix}$$

answer138

$$\begin{bmatrix} -12 & 91 & 72 & 25 \\ 75 & 17 & -63 & -59 \\ -13 & 50 & -45 & 37 \\ 36 & 28 & 30 & -33 \end{bmatrix}$$

answer139

$$\begin{bmatrix} 39 & 1 & 69 & 41 \\ 29 & -56 & 8 & 55 \\ 60 & -25 & -70 & 7 \\ 107 & 24 & -12 & 41 \end{bmatrix}$$

answer140

$$\begin{bmatrix} 23 & 72 & 56 & 101 \\ 48 & -99 & 27 & -90 \\ -130 & 61 & 25 & 7 \\ 34 & -67 & -31 & -67 \end{bmatrix}$$

answer141

$$\begin{bmatrix} 96 & 81 & 79 & 31 \\ -4 & -27 & -32 & -38 \\ 100 & -60 & 5 & -17 \\ 0 & 54 & -41 & 119 \end{bmatrix}$$

answer142

$$\begin{bmatrix} -57 & -2 & 59 & 36 \\ -18 & 91 & -63 & 61 \\ 10 & 34 & -49 & -8 \\ 26 & -9 & -32 & -33 \end{bmatrix}$$

answer143

$$\begin{bmatrix} 30 & 80 & -30 & -95 \\ -11 & 48 & -22 & -65 \\ -42 & -126 & 45 & 100 \\ 173 & -72 & 21 & 141 \end{bmatrix}$$

answer144

$$\begin{bmatrix} -27 & 7 & 12 & 49 \\ 21 & -27 & -70 & -27 \\ 9 & -16 & 56 & 89 \\ -48 & -46 & 107 & 50 \end{bmatrix}$$

answer145

$$\begin{bmatrix} -98 & 13 & 74 & 60 \\ 5 & 29 & 63 & 23 \\ 34 & 5 & -165 & -140 \\ -17 & 46 & -3 & 31 \end{bmatrix}$$

answer146

$$\begin{bmatrix} -37 & 5 & -4 & 25 \\ 63 & 6 & -39 & -3 \\ 20 & -42 & -33 & 8 \\ -32 & 18 & -24 & 0 \end{bmatrix}$$

answer147

$$\begin{bmatrix} 49 & -91 & -100 & 20 \\ 7 & 68 & 99 & 178 \\ -15 & -42 & -57 & -119 \\ -4 & -40 & 16 & 157 \end{bmatrix}$$

answer148

$$\begin{bmatrix} -101 & 102 & -100 & -25 \\ 100 & -112 & 22 & 162 \\ -104 & 108 & -91 & -54 \\ -111 & 37 & -74 & -151 \end{bmatrix}$$

answer149

$$\begin{bmatrix} -88 & -27 & 65 & -71 \\ -72 & 60 & 64 & -96 \\ 19 & 55 & 11 & 76 \\ -108 & 14 & 41 & -9 \end{bmatrix}$$

answer150

$$\begin{bmatrix} 12 & 115 & 52 & -20 \\ 60 & 65 & 73 & 45 \\ -36 & -93 & -2 & 62 \\ 60 & 3 & 32 & 40 \end{bmatrix}$$

2 Matrix Inverse

answer1

$$\begin{bmatrix} 0.333333 & -0.000000 \\ -0.777778 & 0.333333 \end{bmatrix}$$

answer2

$$\begin{bmatrix} -0.400000 & 1.000000 \\ -0.200000 & -0.000000 \end{bmatrix}$$

answer3

$$\begin{bmatrix} -0.466667 & -0.333333 \\ -0.266667 & -0.333333 \end{bmatrix}$$

answer4

$$\begin{bmatrix} -0.187500 & 0.218750 \\ 0.062500 & 0.093750 \end{bmatrix}$$

answer5

$$\begin{bmatrix} -0.142857 & -0.238095 \\ -0.428571 & -0.380952 \end{bmatrix}$$

answer6

$$\begin{bmatrix} 0.076923 & -0.076923 \\ -0.173077 & -0.076923 \end{bmatrix}$$

answer7

$$\begin{bmatrix} 0.142857 & 0.071429 \\ -0.214286 & 0.142857 \end{bmatrix}$$

answer8

$$\begin{bmatrix} -0.080000 & -0.120000 \\ 0.140000 & -0.040000 \end{bmatrix}$$

answer9

$$\begin{bmatrix} 0.052632 & -0.105263 \\ 0.184211 & 0.131579 \end{bmatrix}$$

answer10

$$\begin{bmatrix} 1.500000 & -0.250000 \\ 2.000000 & -0.500000 \end{bmatrix}$$

answer11

$$\begin{bmatrix} -0.500000 & 3.500000 \\ -0.500000 & 4.500000 \end{bmatrix}$$

answer12

$$\begin{bmatrix} 0.166667 & 0.000000 \\ -0.016667 & -0.100000 \end{bmatrix}$$

answer13	$\begin{bmatrix} 0.176471 & -0.470588 \\ 0.235294 & -0.294118 \end{bmatrix}$
answer14	$\begin{bmatrix} 1.250000 & -0.750000 \\ -1.000000 & 0.500000 \end{bmatrix}$
answer15	$\begin{bmatrix} -0.833333 & -0.166667 \\ 0.166667 & -0.166667 \end{bmatrix}$
answer16	$\begin{bmatrix} 2.000000 & 3.500000 \\ -1.000000 & -2.000000 \end{bmatrix}$
answer17	$\begin{bmatrix} 0.083333 & 0.055556 \\ 0.125000 & -0.083333 \end{bmatrix}$
answer18	$\begin{bmatrix} -0.111111 & 0.055556 \\ 0.083333 & 0.083333 \end{bmatrix}$
answer19	$\begin{bmatrix} -0.166667 & 0.166667 \\ 0.104167 & 0.020833 \end{bmatrix}$
answer20	$\begin{bmatrix} -0.166667 & -0.208333 \\ -0.000000 & -0.250000 \end{bmatrix}$
answer21	$\begin{bmatrix} 0.000000 & 0.111111 \\ -0.100000 & -0.044444 \end{bmatrix}$
answer22	$\begin{bmatrix} -0.080645 & 0.145161 \\ 0.129032 & -0.032258 \end{bmatrix}$
answer23	$\begin{bmatrix} -0.076923 & 0.076923 \\ 0.153846 & 0.179487 \end{bmatrix}$
answer24	$\begin{bmatrix} 0.108108 & 0.027027 \\ 0.027027 & -0.243243 \end{bmatrix}$
answer25	$\begin{bmatrix} 0.161290 & -0.064516 \\ -0.048387 & -0.080645 \end{bmatrix}$
answer26	$\begin{bmatrix} -0.272727 & -0.090909 \\ 0.030303 & 0.121212 \end{bmatrix}$

answer27	$\begin{bmatrix} 0.222222 & 0.111111 \\ 0.027778 & 0.138889 \end{bmatrix}$
answer28	$\begin{bmatrix} 1.250000 & -1.000000 \\ -0.750000 & 0.500000 \end{bmatrix}$
answer29	$\begin{bmatrix} -0.100000 & 0.116667 \\ -0.000000 & -0.166667 \end{bmatrix}$
answer30	$\begin{bmatrix} -0.750000 & -0.625000 \\ 0.250000 & 0.375000 \end{bmatrix}$
answer31	$\begin{bmatrix} -0.583333 & 0.666667 \\ -0.166667 & 0.333333 \end{bmatrix}$
answer32	$\begin{bmatrix} 0.043478 & 0.130435 \\ -0.304348 & 0.086957 \end{bmatrix}$
answer33	$\begin{bmatrix} 0.285714 & 0.714286 \\ -0.071429 & 0.071429 \end{bmatrix}$
answer34	$\begin{bmatrix} 0.055556 & 0.166667 \\ -0.111111 & 0.166667 \end{bmatrix}$
answer35	$\begin{bmatrix} 0.055556 & -0.111111 \\ -0.125000 & -0.000000 \end{bmatrix}$
answer36	$\begin{bmatrix} -0.035294 & -0.094118 \\ 0.094118 & -0.082353 \end{bmatrix}$
answer37	$\begin{bmatrix} -0.128205 & 0.051282 \\ -0.089744 & -0.064103 \end{bmatrix}$
answer38	$\begin{bmatrix} -0.060000 & -0.200000 \\ -0.100000 & -0.000000 \end{bmatrix}$
answer39	$\begin{bmatrix} 0.018868 & -0.132075 \\ -0.150943 & 0.056604 \end{bmatrix}$
answer40	$\begin{bmatrix} 0.333333 & 0.000000 \\ -0.400000 & -0.200000 \end{bmatrix}$

answer41

$$\begin{bmatrix} -0.333333 & -0.333333 \\ 0.222222 & 0.111111 \end{bmatrix}$$

answer42

$$\begin{bmatrix} 0.375000 & 1.000000 \\ 0.125000 & 0.000000 \end{bmatrix}$$

answer43

$$\begin{bmatrix} 0.041667 & 0.125000 \\ 0.291667 & -0.125000 \end{bmatrix}$$

answer44

$$\begin{bmatrix} -0.190476 & -0.071429 \\ 0.142857 & -0.071429 \end{bmatrix}$$

answer45

$$\begin{bmatrix} 3.000000 & 2.000000 \\ -1.000000 & -0.500000 \end{bmatrix}$$

answer46

$$\begin{bmatrix} -0.088889 & 0.066667 \\ 0.066667 & 0.200000 \end{bmatrix}$$

answer47

$$\begin{bmatrix} -1.000000 & -0.000000 \\ 1.750000 & -0.250000 \end{bmatrix}$$

answer48

$$\begin{bmatrix} -0.250000 & 0.250000 \\ 0.107143 & 0.035714 \end{bmatrix}$$

answer49

$$\begin{bmatrix} -0.166667 & -0.100000 \\ -0.166667 & 0.100000 \end{bmatrix}$$

answer50

$$\begin{bmatrix} -0.100000 & -0.400000 \\ -0.300000 & -0.200000 \end{bmatrix}$$

answer51

$$\begin{bmatrix} 3.000000 & -22.000000 & 6.000000 \\ 1.000000 & -7.000000 & 2.000000 \\ -7.000000 & 52.500000 & -14.500000 \end{bmatrix}$$

answer52

$$\begin{bmatrix} 0.020619 & -0.123711 & 0.113402 \\ -0.206186 & 0.237113 & -0.134021 \\ -0.025773 & 0.154639 & 0.108247 \end{bmatrix}$$

answer53

$$\begin{bmatrix} 0.027523 & 0.073394 & -0.102752 \\ 0.073394 & -0.137615 & -0.007339 \\ -0.100917 & 0.064220 & -0.089908 \end{bmatrix}$$

answer54	$\begin{bmatrix} -0.067227 & 0.058824 & -0.075630 \\ -0.394958 & -0.529412 & 0.680672 \\ 0.226891 & 0.176471 & -0.369748 \end{bmatrix}$
answer55	$\begin{bmatrix} -0.185714 & 0.209524 & -0.214286 \\ 0.242857 & -0.504762 & 0.357143 \\ 0.071429 & 0.047619 & -0.071429 \end{bmatrix}$
answer56	$\begin{bmatrix} -2.000000 & -0.631579 & 1.421053 \\ -1.000000 & -0.368421 & 0.578947 \\ 2.500000 & 0.736842 & -1.657895 \end{bmatrix}$
answer57	$\begin{bmatrix} -0.048193 & -0.188755 & 0.018072 \\ -0.108434 & -0.008032 & -0.084337 \\ 0.096386 & 0.044177 & -0.036145 \end{bmatrix}$
answer58	$\begin{bmatrix} -0.115942 & 0.036232 & -0.108696 \\ -0.463768 & -0.355072 & 0.065217 \\ -0.130435 & -0.021739 & 0.065217 \end{bmatrix}$
answer59	$\begin{bmatrix} -0.046460 & -0.037611 & 0.059735 \\ -0.035398 & -0.123894 & -0.097345 \\ -0.061947 & 0.283186 & 0.079646 \end{bmatrix}$
answer60	$\begin{bmatrix} 0.153680 & 0.002165 & -0.034632 \\ -0.158009 & 0.054113 & 0.134199 \\ -0.071429 & -0.071429 & 0.142857 \end{bmatrix}$
answer61	$\begin{bmatrix} -0.104418 & 0.120482 & -0.020080 \\ -0.058233 & -0.048193 & 0.008032 \\ -0.060241 & -0.084337 & 0.180723 \end{bmatrix}$
answer62	$\begin{bmatrix} 0.092593 & -0.160494 & 0.141975 \\ 0.032407 & -0.172840 & 0.066358 \\ 0.046296 & 0.086420 & -0.095679 \end{bmatrix}$
answer63	$\begin{bmatrix} -0.221503 & -0.034974 & -0.161917 \\ -0.044041 & -0.059585 & -0.090674 \\ -0.093264 & -0.067358 & -0.015544 \end{bmatrix}$
answer64	$\begin{bmatrix} -0.046099 & 0.028369 & -0.141844 \\ -0.069740 & 0.068558 & -0.009456 \\ 0.043735 & 0.075650 & -0.044917 \end{bmatrix}$

answer65	$\begin{bmatrix} -0.040000 & 0.173333 & -0.040000 \\ -0.080000 & 0.013333 & -0.080000 \\ -0.192000 & 0.232000 & 0.008000 \end{bmatrix}$
answer66	$\begin{bmatrix} -0.067901 & -0.003086 & 0.058642 \\ -0.086420 & -0.049383 & -0.061728 \\ -0.072016 & -0.124486 & 0.031893 \end{bmatrix}$
answer67	$\begin{bmatrix} -0.357143 & 0.142857 & -1.142857 \\ -0.857143 & 0.142857 & -2.142857 \\ 0.500000 & -0.000000 & 1.500000 \end{bmatrix}$
answer68	$\begin{bmatrix} -0.078740 & -0.060367 & 0.047244 \\ -0.118110 & 0.076115 & 0.070866 \\ 0.070866 & 0.020997 & 0.157480 \end{bmatrix}$
answer69	$\begin{bmatrix} -0.116883 & 0.025974 & -0.246753 \\ -0.168831 & 0.259740 & -0.467532 \\ 0.064935 & -0.292208 & 0.525974 \end{bmatrix}$
answer70	$\begin{bmatrix} -0.047445 & -0.069343 & 0.072080 \\ 0.007299 & 0.087591 & 0.027372 \\ 0.080292 & -0.036496 & 0.051095 \end{bmatrix}$
answer71	$\begin{bmatrix} 0.169521 & 0.142123 & 0.104452 \\ -0.053082 & 0.056507 & -0.042808 \\ 0.030822 & -0.065068 & -0.071918 \end{bmatrix}$
answer72	$\begin{bmatrix} -0.206897 & 0.241379 & 0.137931 \\ -0.142241 & 0.353448 & 0.219828 \\ -0.198276 & 0.189655 & 0.215517 \end{bmatrix}$
answer73	$\begin{bmatrix} -1.000000 & 0.000000 & 0.000000 \\ -1.047619 & -0.214286 & 0.119048 \\ 0.476190 & 0.142857 & -0.190476 \end{bmatrix}$
answer74	$\begin{bmatrix} 0.057377 & -0.004098 & -0.061475 \\ -0.032787 & -0.126230 & 0.106557 \\ -0.049180 & 0.060656 & -0.090164 \end{bmatrix}$
answer75	$\begin{bmatrix} 0.068966 & 0.103448 & 0.034483 \\ 0.103448 & -0.344828 & -0.448276 \\ 0.057471 & 0.030651 & 0.084291 \end{bmatrix}$

answer76	$\begin{bmatrix} -0.120253 & -0.107595 & 0.177215 \\ -0.044304 & 0.170886 & 0.012658 \\ 0.265823 & -0.025316 & -0.075949 \end{bmatrix}$
answer77	$\begin{bmatrix} -0.200000 & 0.000000 & 0.200000 \\ -0.428571 & -0.142857 & 1.428571 \\ 0.228571 & 0.142857 & -0.228571 \end{bmatrix}$
answer78	$\begin{bmatrix} 0.127273 & -0.236364 & 0.054545 \\ -0.981818 & 1.109091 & -0.563636 \\ 0.572727 & -0.563636 & 0.245455 \end{bmatrix}$
answer79	$\begin{bmatrix} -0.151316 & 0.015351 & 0.019737 \\ -0.111842 & 0.054825 & -0.072368 \\ 0.171053 & -0.162281 & -0.065789 \end{bmatrix}$
answer80	$\begin{bmatrix} 0.314578 & 0.115090 & 0.120205 \\ 0.179028 & -0.007673 & 0.125320 \\ -0.230179 & -0.132992 & -0.161125 \end{bmatrix}$
answer81	$\begin{bmatrix} -0.035714 & 0.214286 & 0.125000 \\ 0.285714 & 0.285714 & 0.500000 \\ 0.464286 & 0.214286 & 0.875000 \end{bmatrix}$
answer82	$\begin{bmatrix} -0.118421 & -0.092105 & 0.118421 \\ 0.089181 & 0.057018 & -0.200292 \\ -0.002924 & 0.096491 & -0.108187 \end{bmatrix}$
answer83	$\begin{bmatrix} -0.250000 & -0.625000 & 0.515625 \\ -0.250000 & -0.125000 & 0.078125 \\ 0.000000 & -0.500000 & 0.562500 \end{bmatrix}$
answer84	$\begin{bmatrix} -0.094371 & 0.104305 & 0.077815 \\ 0.069536 & -0.182119 & -0.215232 \\ 0.052980 & 0.099338 & 0.026490 \end{bmatrix}$
answer85	$\begin{bmatrix} -0.343750 & -0.148438 & 0.125000 \\ 0.093750 & -0.164062 & -0.125000 \\ 0.093750 & 0.085938 & -0.125000 \end{bmatrix}$
answer86	$\begin{bmatrix} 0.052257 & -0.068884 & 0.100950 \\ 0.092637 & 0.014252 & 0.065321 \\ -0.083135 & 0.064133 & 0.043943 \end{bmatrix}$

answer87

$$\begin{bmatrix} 0.954023 & 0.436782 & 0.126437 \\ -0.747126 & -0.402299 & -0.195402 \\ 0.057471 & -0.045977 & 0.091954 \end{bmatrix}$$

answer88

$$\begin{bmatrix} 0.247557 & -0.009772 & -0.166124 \\ -0.260586 & -0.042345 & 0.280130 \\ -0.276873 & -0.107492 & 0.172638 \end{bmatrix}$$

answer89

$$\begin{bmatrix} -0.075000 & 0.025000 & -0.100000 \\ -0.233333 & 0.633333 & 0.466667 \\ -0.041667 & -0.208333 & -0.166667 \end{bmatrix}$$

answer90

$$\begin{bmatrix} 0.062500 & -0.020833 & 0.104167 \\ 0.343750 & -0.031250 & -0.093750 \\ -0.125000 & -0.125000 & 0.125000 \end{bmatrix}$$

answer91

$$\begin{bmatrix} -0.133333 & -0.183333 & -0.050000 \\ 0.066667 & -0.033333 & -0.100000 \\ -0.066667 & -0.316667 & -0.050000 \end{bmatrix}$$

answer92

$$\begin{bmatrix} -5.625000 & -3.125000 & -6.750000 \\ 3.375000 & 1.875000 & 4.250000 \\ 5.875000 & 3.375000 & 7.250000 \end{bmatrix}$$

answer93

$$\begin{bmatrix} -0.103774 & 0.058491 & -0.101887 \\ 0.066038 & -0.073585 & -0.016981 \\ -0.094340 & -0.037736 & -0.047170 \end{bmatrix}$$

answer94

$$\begin{bmatrix} 2.093750 & -2.218750 & -1.218750 \\ -0.250000 & 0.250000 & 0.250000 \\ 1.937500 & -2.187500 & -1.187500 \end{bmatrix}$$

answer95

$$\begin{bmatrix} -900719925474098.750000 & 1200959900632132.000000 & 1501199875790165.500000 \\ 1801439850948198.250000 & -2401919801264264.500000 & -3002399751580330.500000 \\ -5404319552844594.000000 & 7205759403792793.000000 & 9007199254740992.000000 \end{bmatrix}$$

answer96

$$\begin{bmatrix} -0.011905 & 0.123016 & -0.107143 \\ 0.166667 & -0.055556 & -0.000000 \\ -0.059524 & -0.051587 & -0.035714 \end{bmatrix}$$

answer97

$$\begin{bmatrix} -0.135593 & -0.050847 & -0.011299 \\ -0.135593 & -0.050847 & 0.099812 \\ -0.016949 & 0.118644 & 0.026365 \end{bmatrix}$$

answer98

$$\begin{bmatrix} -0.157895 & -0.210526 & -1.052632 \\ -0.052632 & 0.263158 & 1.315789 \\ -0.105263 & -0.473684 & -1.868421 \end{bmatrix}$$

answer99

$$\begin{bmatrix} 0.081081 & -0.567568 & -1.513514 \\ -0.189189 & 0.324324 & 0.864865 \\ 0.243243 & -0.702703 & -1.540541 \end{bmatrix}$$

answer100

$$\begin{bmatrix} 0.800000 & 2.300000 & 3.000000 \\ 2.400000 & 5.900000 & 8.000000 \\ 2.200000 & 5.200000 & 7.000000 \end{bmatrix}$$

answer101

$$\begin{bmatrix} 9.200000 & 8.407143 & 2.350000 & -1.750000 \\ 6.800000 & 6.164286 & 1.650000 & -1.250000 \\ 1.000000 & 0.964286 & 0.250000 & -0.250000 \\ 5.800000 & 5.342857 & 1.400000 & -1.000000 \end{bmatrix}$$

answer102

$$\begin{bmatrix} 0.125000 & -0.093750 & 0.031250 & -0.125000 \\ -0.095930 & -0.047238 & 0.124273 & -0.218023 \\ 0.014535 & 0.117006 & 0.015262 & 0.078488 \\ 0.043605 & 0.101017 & -0.204215 & 0.235465 \end{bmatrix}$$

answer103

$$\begin{bmatrix} 0.147059 & -0.529412 & -0.147059 & -0.441176 \\ -0.151144 & 0.238562 & 0.012255 & 0.231209 \\ 0.031046 & -0.189542 & 0.024510 & -0.204248 \\ -0.392157 & 1.078431 & 0.058824 & 0.843137 \end{bmatrix}$$

answer104

$$\begin{bmatrix} 0.075949 & -0.164557 & -0.189873 & 0.126582 \\ -0.170886 & 0.120253 & 0.177215 & -0.284810 \\ -0.210970 & 0.345992 & -0.139241 & 0.092827 \\ 0.358650 & -0.388186 & -0.063291 & 0.042194 \end{bmatrix}$$

answer105

$$\begin{bmatrix} 0.902439 & 0.546341 & 0.200000 & 0.848780 \\ -0.951220 & -0.473171 & -0.200000 & -0.824390 \\ 0.963415 & 0.604878 & 0.400000 & 0.868293 \\ 1.597561 & 1.053659 & 0.600000 & 1.351220 \end{bmatrix}$$

answer106

$$\begin{bmatrix} 0.098947 & 0.049263 & -0.106947 & -0.101053 \\ 0.026316 & 0.068421 & 0.073684 & 0.026316 \\ 0.089474 & -0.087368 & -0.109474 & 0.089474 \\ 0.005263 & 0.053684 & -0.065263 & 0.005263 \end{bmatrix}$$

answer107

$$\begin{bmatrix} -0.174141 & -0.160720 & 0.221277 & -0.168576 \\ 0.053682 & 0.139771 & -0.165957 & -0.008183 \\ -0.188871 & -0.119804 & 0.285106 & -0.135843 \\ 0.135843 & 0.067103 & -0.255319 & 0.253682 \end{bmatrix}$$

answer108

$$\begin{bmatrix} 0.513514 & 0.114543 & 0.312741 & 0.537967 \\ 0.229730 & 0.137709 & 0.173745 & 0.169241 \\ 0.027027 & -0.009009 & 0.054054 & 0.171171 \\ 0.364865 & 0.140283 & 0.158301 & 0.406049 \end{bmatrix}$$

answer109

$$\begin{bmatrix} -0.018634 & -0.053830 & 0.045549 & -0.068323 \\ -0.166322 & 0.198528 & 0.011502 & -0.239476 \\ 0.118012 & -0.103520 & -0.066253 & 0.099379 \\ 0.015183 & -0.153669 & -0.049459 & 0.129745 \end{bmatrix}$$

answer110

$$\begin{bmatrix} -0.079661 & 0.257627 & -0.205085 & 0.049153 \\ 0.063729 & -0.006102 & -0.035932 & -0.039322 \\ 0.121356 & 0.190508 & -0.100339 & 0.116610 \\ 0.027119 & 0.210169 & -0.206780 & 0.132203 \end{bmatrix}$$

answer111

$$\begin{bmatrix} -0.224080 & 0.418060 & 0.128763 & -0.056856 \\ 0.054627 & -0.124303 & -0.102285 & -0.028428 \\ -0.073579 & 0.055184 & -0.051003 & 0.048495 \\ 0.138239 & -0.437012 & -0.146600 & 0.030100 \end{bmatrix}$$

answer112

$$\begin{bmatrix} -0.140679 & 0.075258 & 0.047221 & 0.079193 \\ -0.097885 & 0.069848 & 0.200689 & 0.086572 \\ 0.031972 & -0.153468 & 0.080177 & -0.063453 \\ -0.082145 & 0.194294 & -0.329070 & -0.083128 \end{bmatrix}$$

answer113

$$\begin{bmatrix} 0.003894 & 0.048287 & 0.060748 & 0.042835 \\ -0.140576 & 0.056854 & 0.007009 & -0.046340 \\ 0.047638 & 0.057373 & -0.056854 & 0.024013 \\ 0.040109 & 0.097352 & 0.025701 & -0.058801 \end{bmatrix}$$

answer114

$$\begin{bmatrix} 0.224138 & -0.327586 & -0.465517 & 0.275862 \\ 0.603448 & -0.189655 & -0.637931 & 0.896552 \\ -0.534483 & 0.396552 & 0.879310 & -0.965517 \\ 0.806034 & -0.581897 & -1.366379 & 1.318966 \end{bmatrix}$$

answer115

$$\begin{bmatrix} -0.060411 & -0.063839 & 0.106255 & -0.046701 \\ -0.152956 & 0.072408 & 0.013710 & -0.054413 \\ 0.048843 & -0.044130 & -0.117823 & -0.079263 \\ 0.068123 & -0.030848 & 0.068123 & -0.035990 \end{bmatrix}$$

answer116

$$\begin{bmatrix} 0.148368 & 0.080119 & 0.008902 & -0.112760 \\ 0.108521 & -0.015685 & -0.033489 & -0.099618 \\ 0.266638 & -0.167444 & 0.155998 & 0.071641 \\ 0.017380 & -0.022043 & 0.061043 & -0.058923 \end{bmatrix}$$

answer117

$$\begin{bmatrix} -0.441315 & -0.009390 & -0.049296 & 0.077465 \\ 0.051643 & -0.059691 & 0.079477 & -0.043260 \\ 0.154930 & -0.036217 & -0.047284 & 0.013078 \\ 0.633803 & -0.044266 & 0.053320 & -0.206237 \end{bmatrix}$$

answer118

$$\begin{bmatrix} 0.126148 & 0.029242 & -0.043523 & -0.136688 \\ -0.085345 & -0.100646 & -0.059504 & 0.109997 \\ -0.097586 & -0.079225 & 0.071404 & 0.068004 \\ 0.127508 & 0.026862 & 0.053043 & -0.020911 \end{bmatrix}$$

answer119

$$\begin{bmatrix} -0.686461 & -0.166271 & -0.237530 & 0.242280 \\ -0.699762 & -0.238005 & -0.197150 & 0.141093 \\ 0.619002 & 0.159620 & 0.228029 & -0.112589 \\ 0.303563 & 0.029929 & 0.042755 & -0.083610 \end{bmatrix}$$

answer120

$$\begin{bmatrix} -0.048996 & -0.008105 & -0.057653 & 0.033800 \\ 0.018235 & -0.064653 & 0.062811 & -0.014459 \\ 0.126358 & -0.084362 & -0.009210 & -0.034537 \\ -0.054890 & 0.103702 & 0.033155 & 0.124332 \end{bmatrix}$$

answer121

$$\begin{bmatrix} 3.977778 & 4.866667 & 2.022222 & 2.511111 \\ 2.688889 & 3.133333 & 1.311111 & 1.655556 \\ -3.955556 & -4.733333 & -2.044444 & -2.522222 \\ -4.277778 & -5.166667 & -2.222222 & -2.611111 \end{bmatrix}$$

answer122

$$\begin{bmatrix} 0.529018 & 0.101563 & 0.177455 & 0.194196 \\ 0.285714 & -0.000000 & 0.285714 & 0.142857 \\ -0.107143 & 0.125000 & -0.232143 & -0.178571 \\ -0.151786 & -0.031250 & -0.120536 & -0.169643 \end{bmatrix}$$

answer123

$$\begin{bmatrix} -0.147436 & -1.250000 & 1.256410 & 0.057692 \\ 0.666667 & 7.000000 & -7.333333 & 0.000000 \\ 0.307692 & 3.000000 & -3.230769 & -0.076923 \\ -0.358974 & -3.000000 & 3.102564 & -0.076923 \end{bmatrix}$$

answer124

$$\begin{bmatrix} -0.364706 & 0.141176 & 0.741176 & 0.294118 \\ -0.141176 & 0.035294 & -0.164706 & 0.223529 \\ 0.258824 & -0.164706 & -0.364706 & -0.176471 \\ -0.435294 & 0.258824 & 0.658824 & 0.505882 \end{bmatrix}$$

answer125

$$\begin{bmatrix} -0.431267 & 0.388140 & -0.094340 & 0.207547 \\ 1.123989 & -0.711590 & 0.339623 & -0.547170 \\ -0.026954 & 0.024259 & 0.056604 & 0.075472 \\ 0.142857 & 0.071429 & 0.000000 & 0.000000 \end{bmatrix}$$

answer126

$$\begin{bmatrix} -0.030550 & 0.148633 & -0.066370 & -0.066206 \\ -0.066123 & 0.006341 & 0.012681 & -0.054348 \\ 0.023386 & 0.010211 & -0.070487 & -0.035573 \\ 0.077487 & -0.085886 & 0.100955 & 0.008893 \end{bmatrix}$$

answer127

$$\begin{bmatrix} -0.057461 & 0.099033 & 0.177810 & 0.021184 \\ -0.012975 & 0.234344 & 0.284390 & 0.055475 \\ -0.025023 & 0.084602 & 0.038263 & -0.046074 \\ -0.069509 & 0.092149 & 0.074540 & 0.062492 \end{bmatrix}$$

answer128

$$\begin{bmatrix} -0.068475 & 0.048457 & 0.028251 & -0.059495 \\ 0.072591 & 0.068849 & 0.024696 & -0.018896 \\ 0.088120 & 0.011413 & -0.093732 & -0.087371 \\ 0.037792 & 0.077081 & -0.059308 & 0.098410 \end{bmatrix}$$

answer129

$$\begin{bmatrix} 0.027479 & 0.066906 & -0.002389 & 0.103943 \\ 0.303465 & -0.087216 & -0.461171 & 0.060932 \\ 0.088411 & 0.084827 & -0.181601 & -0.100358 \\ 0.217443 & 0.181601 & -0.149343 & -0.003584 \end{bmatrix}$$

answer130

$$\begin{bmatrix} -0.024814 & -0.073537 & -0.049085 & 0.038399 \\ -0.031471 & 0.069145 & -0.014807 & -0.015169 \\ -0.040618 & -0.027305 & 0.025494 & -0.041161 \\ 0.050580 & -0.016166 & -0.049583 & -0.069145 \end{bmatrix}$$

answer131

$$\begin{bmatrix} -0.494094 & 0.412402 & -0.194882 & -0.632874 \\ 0.372047 & -0.268701 & 0.222441 & 0.378937 \\ -0.281496 & 0.258858 & -0.210630 & -0.416339 \\ 0.295276 & -0.379921 & 0.255906 & 0.356299 \end{bmatrix}$$

answer132

$$\begin{bmatrix} 0.155063 & 0.076266 & -0.069304 & -0.066139 \\ 0.012658 & 0.053165 & -0.060759 & 0.072152 \\ -0.085443 & 0.066139 & 0.085127 & 0.062975 \\ 0.085443 & 0.033861 & 0.014873 & 0.037025 \end{bmatrix}$$

answer133

$$\begin{bmatrix} -0.115108 & 0.169784 & 0.089209 & -0.044604 \\ 0.071942 & -0.856115 & 0.194245 & 0.402878 \\ 0.014388 & 0.828777 & -0.361151 & -0.319424 \\ 0.079137 & 0.158273 & -0.086331 & 0.043165 \end{bmatrix}$$

answer134

$$\begin{bmatrix} -0.071429 & -0.071429 & 0.071429 & -0.000000 \\ -0.002149 & -0.143353 & 0.048446 & 0.076389 \\ 0.005291 & -0.031746 & -0.042328 & -0.111111 \\ -0.079696 & -0.084325 & -0.049934 & -0.013889 \end{bmatrix}$$

answer135

$$\begin{bmatrix} -0.208333 & 0.180556 & 0.210470 & 0.290598 \\ 0.083333 & -0.138889 & -0.232906 & -0.341880 \\ -0.208333 & 0.180556 & 0.287393 & 0.752137 \\ 0.083333 & -0.138889 & -0.079060 & -0.418803 \end{bmatrix}$$

answer136

$$\begin{bmatrix} 0.078772 & -0.072634 & -0.000512 & -0.059079 \\ 0.026598 & 0.040409 & 0.077749 & -0.019949 \\ -0.001279 & 0.007673 & -0.042199 & -0.124041 \\ -0.101535 & 0.009207 & 0.049361 & -0.048849 \end{bmatrix}$$

answer137

$$\begin{bmatrix} 0.036913 & 0.350911 & -0.191275 & 0.061841 \\ 0.221477 & 0.248322 & -0.147651 & 0.228188 \\ 0.020134 & 0.152445 & -0.013423 & -0.018217 \\ 0.181208 & 0.086290 & -0.120805 & 0.121764 \end{bmatrix}$$

answer138

$$\begin{bmatrix} 0.123364 & 0.188785 & 0.018692 & -0.013084 \\ -0.266355 & -0.112150 & 0.186916 & -0.130841 \\ -0.010280 & -0.099065 & -0.168224 & -0.082243 \\ 0.268224 & 0.039252 & -0.065421 & 0.145794 \end{bmatrix}$$

answer139

$$\begin{bmatrix} -0.010526 & 0.070175 & -0.066667 & 0.033333 \\ -0.147368 & -0.017544 & 0.066667 & -0.033333 \\ 0.002632 & 0.232456 & 0.016667 & -0.258333 \\ 0.107895 & -0.135965 & 0.016667 & 0.241667 \end{bmatrix}$$

answer140

$$\begin{bmatrix} -0.025466 & -0.074193 & -0.040104 & -0.005214 \\ -0.158813 & 0.049128 & 0.080610 & 0.030479 \\ 0.198917 & -0.011029 & -0.222178 & -0.108883 \\ 0.102667 & -0.102466 & -0.082414 & -0.120714 \end{bmatrix}$$

answer141

$$\begin{bmatrix} -0.003722 & -0.106811 & 0.214738 & -0.394492 \\ -0.003349 & -0.196130 & 0.293264 & -0.355043 \\ -0.069967 & -0.208039 & 0.237067 & -0.416450 \\ -0.037588 & 0.021213 & 0.068850 & 0.015631 \end{bmatrix}$$

answer142

$$\begin{bmatrix} -0.001552 & -0.019395 & -0.062839 & -0.166796 \\ -0.260667 & -0.258340 & -0.557021 & -0.021722 \\ -0.335144 & -0.189294 & -0.573313 & -0.027929 \\ 0.041117 & 0.013964 & 0.165244 & -0.079907 \end{bmatrix}$$

answer143

$$\begin{bmatrix} 0.126649 & -0.277045 & 0.079156 & 0.034301 \\ 0.261214 & -0.217238 & -0.128408 & -0.033421 \\ -0.184697 & 0.029024 & 0.134565 & 0.158311 \\ 0.145119 & -0.379947 & -0.034301 & 0.018470 \end{bmatrix}$$

answer144

$$\begin{bmatrix} 0.174419 & -0.089147 & -0.189922 & 0.174419 \\ 0.151163 & -0.121705 & -0.120155 & -0.048837 \\ -0.139535 & -0.062016 & 0.085271 & -0.139535 \\ 0.267442 & -0.292248 & -0.135659 & 0.067442 \end{bmatrix}$$

answer145

$$\begin{bmatrix} -0.011976 & 0.329341 & 0.071856 & -0.293413 \\ -0.017964 & -0.005988 & 0.107784 & 0.059880 \\ -0.299401 & 0.233533 & -0.203593 & -0.335329 \\ -0.087425 & 0.104192 & -0.075449 & -0.241916 \end{bmatrix}$$

answer146

$$\begin{bmatrix} 0.022561 & -0.103253 & 0.038478 & 0.065052 \\ 0.047612 & -0.003183 & 0.105744 & 0.063668 \\ 0.159308 & -0.054256 & 0.063114 & 0.085121 \\ 0.014394 & -0.047474 & 0.055225 & -0.050519 \end{bmatrix}$$

answer147

$$\begin{bmatrix} 0.114332 & -0.078905 & 0.143317 & 0.082126 \\ 0.138084 & -0.063607 & -0.119163 & -0.020531 \\ 0.030998 & 0.087762 & -0.190016 & -0.167874 \\ -0.150966 & 0.157005 & -0.009662 & 0.025362 \end{bmatrix}$$

answer148

$$\begin{bmatrix} -0.031119 & -0.050630 & -0.019758 & 0.041245 \\ -0.061744 & 0.296369 & -0.055075 & 0.002470 \\ 0.049148 & 0.064090 & -0.048160 & 0.038034 \\ -0.061250 & 0.193999 & -0.070635 & -0.077550 \end{bmatrix}$$

answer149

$$\begin{bmatrix} -0.071097 & -0.051032 & -0.039318 & -0.028068 \\ -0.006495 & 0.000232 & 0.070633 & -0.049872 \\ 0.052192 & -0.037578 & 0.057411 & 0.079332 \\ -0.065298 & 0.055904 & 0.022617 & -0.019253 \end{bmatrix}$$

answer150

$$\begin{bmatrix} 0.050196 & -0.347451 & 0.235294 & 0.032941 \\ -0.197647 & 0.430588 & -0.176471 & -0.004706 \\ -0.001569 & -0.020392 & 0.117647 & -0.063529 \\ -0.212549 & 0.236863 & -0.058824 & -0.108235 \end{bmatrix}$$

3 Matrix Determinant

answer1

−19

answer2

−88

answer3

15

answer4

−24

answer5

−13

answer6

0

answer7

36

answer8	74
answer9	17
answer10	9
answer11	34
answer12	-22
answer13	4
answer14	-22
answer15	-77
answer16	0
answer17	-7
answer18	-32
answer19	-23
answer20	37
answer21	2
answer22	29
answer23	-11
answer24	-46
answer25	-127
	30

answer26	−34
answer27	72
answer28	76
answer29	−28
answer30	7
answer31	70
answer32	34
answer33	−29
answer34	−74
answer35	−18
answer36	−6
answer37	24
answer38	103
answer39	99
answer40	17
answer41	−15
answer42	−56
answer43	−40
	31

answer44	−97
answer45	−23
answer46	−3
answer47	6
answer48	−40
answer49	4
answer50	21
answer51	528
answer52	−108
answer53	−88
answer54	−318
answer55	154
answer56	−731
answer57	677
answer58	366
answer59	172
answer60	216
answer61	12
	32

answer62	−28
answer63	−63
answer64	410
answer65	−236
answer66	267
answer67	353
answer68	−625
answer69	−49
answer70	26
answer71	−110
answer72	−1335
answer73	70
answer74	−455
answer75	728
answer76	149
answer77	551
answer78	−130
answer79	−137

answer80	24
answer81	−780
answer82	−503
answer83	1465
answer84	−293
answer85	−17
answer86	−149
answer87	−575
answer88	−1133
answer89	99
answer90	−1263
answer91	−212
answer92	−292
answer93	−152
answer94	−979
answer95	46
answer96	77
answer97	−436

answer98	−422
answer99	427
answer100	−1140
answer101	8375
answer102	−4811
answer103	2820
answer104	−610
answer105	3774
answer106	11456
answer107	447
answer108	2692
answer109	−4
answer110	5784
answer111	−897
answer112	−1604
answer113	−6225
answer114	−256
answer115	115

answer116	−6836
answer117	−813
answer118	8476
answer119	5867
answer120	−2936
answer121	768
answer122	−720
answer123	77
answer124	528
answer125	−4810
answer126	−6389
answer127	830
answer128	1186
answer129	7759
answer130	−5996
answer131	3362
answer132	−1885
answer133	−669

answer134	365
answer135	−3331
answer136	−1756
answer137	892
answer138	−4679
answer139	2511
answer140	4159
answer141	−1910
answer142	1895
answer143	5599
answer144	903
answer145	1490
answer146	−3011
answer147	5954
answer148	−559
answer149	4088
answer150	−262