

Matrix Practice Answer

CBDT

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Contents

1	Matrix Multiplication	1
2	Matrix Inverse	15
3	Matrix Determinant	29

1 Matrix Multiplication

answer1

$$\begin{bmatrix} 24 & 11 \\ 6 & -6 \end{bmatrix}$$

answer2

$$\begin{bmatrix} 1 & 62 \\ -112 & -69 \end{bmatrix}$$

answer3

$$\begin{bmatrix} 3 & -8 \\ 5 & -36 \end{bmatrix}$$

answer4

$$\begin{bmatrix} -73 & 9 \\ 26 & -90 \end{bmatrix}$$

answer5

$$\begin{bmatrix} 51 & -36 \\ 2 & 53 \end{bmatrix}$$

answer6

$$\begin{bmatrix} -9 & 99 \\ 26 & 20 \end{bmatrix}$$

answer7

$$\begin{bmatrix} 8 & 39 \\ -9 & -43 \end{bmatrix}$$

answer8

$$\begin{bmatrix} 8 & 8 \\ -30 & -22 \end{bmatrix}$$

answer9

$$\begin{bmatrix} 86 & 92 \\ 16 & 10 \end{bmatrix}$$

answer10

$$\begin{bmatrix} -40 & 16 \\ 38 & 4 \end{bmatrix}$$

answer11

$$\begin{bmatrix} -2 & -12 \\ -54 & 54 \end{bmatrix}$$

answer12

$$\begin{bmatrix} -4 & -20 \\ 30 & 48 \end{bmatrix}$$

answer13

$$\begin{bmatrix} -21 & 62 \\ -39 & -67 \end{bmatrix}$$

answer14

$$\begin{bmatrix} -8 & 47 \\ 11 & 65 \end{bmatrix}$$

answer15

$$\begin{bmatrix} 5 & -40 \\ -68 & -8 \end{bmatrix}$$

answer16

$$\begin{bmatrix} -80 & -24 \\ -60 & -4 \end{bmatrix}$$

answer17

$$\begin{bmatrix} -15 & 48 \\ 20 & 6 \end{bmatrix}$$

answer18

$$\begin{bmatrix} 18 & -42 \\ 30 & 18 \end{bmatrix}$$

answer19

$$\begin{bmatrix} -27 & -5 \\ 18 & 6 \end{bmatrix}$$

answer20

$$\begin{bmatrix} -112 & -24 \\ -35 & -1 \end{bmatrix}$$

answer21

$$\begin{bmatrix} 18 & 10 \\ -62 & -40 \end{bmatrix}$$

answer22

$$\begin{bmatrix} 80 & 27 \\ -48 & 30 \end{bmatrix}$$

answer23

$$\begin{bmatrix} -12 & 0 \\ 8 & 0 \end{bmatrix}$$

answer24

$$\begin{bmatrix} -27 & 59 \\ -15 & 19 \end{bmatrix}$$

answer25

$$\begin{bmatrix} -92 & -51 \\ -24 & -29 \end{bmatrix}$$

answer26

$$\begin{bmatrix} 48 & -37 \\ -60 & 32 \end{bmatrix}$$

answer27

$$\begin{bmatrix} -24 & -2 \\ 3 & -16 \end{bmatrix}$$

answer28

$$\begin{bmatrix} -116 & -72 \\ -28 & 40 \end{bmatrix}$$

answer29

$$\begin{bmatrix} 46 & 0 \\ 63 & -14 \end{bmatrix}$$

answer30

$$\begin{bmatrix} -27 & -65 \\ 40 & -45 \end{bmatrix}$$

answer31

$$\begin{bmatrix} -42 & -78 \\ 91 & 69 \end{bmatrix}$$

answer32

$$\begin{bmatrix} 49 & -21 \\ -57 & -51 \end{bmatrix}$$

answer33

$$\begin{bmatrix} -38 & 6 \\ 32 & -8 \end{bmatrix}$$

answer34

$$\begin{bmatrix} 32 & 60 \\ -40 & -59 \end{bmatrix}$$

answer35

$$\begin{bmatrix} -153 & 8 \\ -141 & 27 \end{bmatrix}$$

answer36

$$\begin{bmatrix} 37 & 78 \\ 28 & 32 \end{bmatrix}$$

answer37

$$\begin{bmatrix} -4 & 16 \\ 10 & 79 \end{bmatrix}$$

answer38

$$\begin{bmatrix} -7 & -119 \\ 7 & 84 \end{bmatrix}$$

answer39

$$\begin{bmatrix} -132 & -54 \\ 73 & 36 \end{bmatrix}$$

answer40

$$\begin{bmatrix} -16 & -12 \\ -23 & -21 \end{bmatrix}$$

answer41

$$\begin{bmatrix} -106 & -70 \\ -22 & 10 \end{bmatrix}$$

answer42

$$\begin{bmatrix} -34 & -84 \\ 37 & -48 \end{bmatrix}$$

answer43

$$\begin{bmatrix} 6 & -36 \\ 4 & -60 \end{bmatrix}$$

answer44

$$\begin{bmatrix} -5 & -2 \\ -1 & 18 \end{bmatrix}$$

answer45

$$\begin{bmatrix} 20 & 68 \\ -40 & -66 \end{bmatrix}$$

answer46

$$\begin{bmatrix} -111 & -43 \\ -49 & -67 \end{bmatrix}$$

answer47

$$\begin{bmatrix} 13 & 26 \\ -20 & 42 \end{bmatrix}$$

answer48

$$\begin{bmatrix} 12 & -38 \\ 0 & -12 \end{bmatrix}$$

answer49

$$\begin{bmatrix} -9 & -24 \\ 47 & 37 \end{bmatrix}$$

answer50

$$\begin{bmatrix} 108 & 54 \\ -34 & -19 \end{bmatrix}$$

answer51

$$\begin{bmatrix} 6 & 22 & -36 \\ -76 & -86 & -41 \\ 46 & 66 & 11 \end{bmatrix}$$

answer52

$$\begin{bmatrix} 100 & 85 & 20 \\ -78 & -169 & 26 \\ 50 & -13 & 36 \end{bmatrix}$$

answer53

$$\begin{bmatrix} -58 & 38 & 45 \\ 65 & -69 & -30 \\ 79 & -79 & -6 \end{bmatrix}$$

answer54

$$\begin{bmatrix} 34 & 73 & -40 \\ -67 & -6 & 1 \\ -79 & 14 & -11 \end{bmatrix}$$

answer55

$$\begin{bmatrix} -20 & -82 & -22 \\ -52 & -10 & 2 \\ -57 & -15 & -23 \end{bmatrix}$$

answer56

$$\begin{bmatrix} -58 & -56 & 72 \\ -56 & -72 & 84 \\ -46 & -74 & 83 \end{bmatrix}$$

answer57

$$\begin{bmatrix} -8 & 34 & 33 \\ -2 & -125 & 49 \\ -8 & 78 & 31 \end{bmatrix}$$

answer58

$$\begin{bmatrix} -121 & 9 & -63 \\ -51 & -9 & -48 \\ 82 & 80 & 42 \end{bmatrix}$$

answer59

$$\begin{bmatrix} -52 & 60 & -78 \\ -24 & 25 & -24 \\ 58 & -53 & 63 \end{bmatrix}$$

answer60

$$\begin{bmatrix} 3 & -67 & -4 \\ -36 & -62 & 40 \\ 21 & 31 & -48 \end{bmatrix}$$

answer61

$$\begin{bmatrix} -44 & 0 & -8 \\ 47 & -16 & -5 \\ -64 & -107 & -36 \end{bmatrix}$$

answer62

$$\begin{bmatrix} -60 & -97 & -4 \\ -102 & -133 & 28 \\ -42 & -59 & -1 \end{bmatrix}$$

answer63

$$\begin{bmatrix} -32 & -25 & 65 \\ -41 & 5 & 57 \\ 35 & 28 & 7 \end{bmatrix}$$

answer64

$$\begin{bmatrix} 145 & 136 & 118 \\ 71 & 60 & 70 \\ -165 & -157 & -141 \end{bmatrix}$$

answer65

$$\begin{bmatrix} -34 & 11 & -36 \\ -63 & 93 & 27 \\ 7 & 45 & 30 \end{bmatrix}$$

answer66

$$\begin{bmatrix} -35 & 95 & 58 \\ 87 & -99 & -60 \\ -14 & 71 & 76 \end{bmatrix}$$

answer67

$$\begin{bmatrix} 51 & -129 & 95 \\ -23 & -3 & -95 \\ -9 & -19 & -60 \end{bmatrix}$$

answer68

$$\begin{bmatrix} -37 & 13 & 68 \\ 17 & 1 & -96 \\ 30 & -12 & -61 \end{bmatrix}$$

answer69

$$\begin{bmatrix} 23 & -15 & -69 \\ -9 & -23 & 75 \\ 17 & 96 & 45 \end{bmatrix}$$

answer70

$$\begin{bmatrix} -91 & 49 & -34 \\ -55 & 28 & -22 \\ -43 & 31 & -16 \end{bmatrix}$$

answer71

$$\begin{bmatrix} 34 & -24 & -80 \\ -48 & -12 & 135 \\ 68 & 12 & -90 \end{bmatrix}$$

answer72

$$\begin{bmatrix} -144 & -34 & -40 \\ 90 & -1 & 1 \\ 2 & 59 & 52 \end{bmatrix}$$

answer73

$$\begin{bmatrix} -95 & -44 & -144 \\ -86 & -94 & -4 \\ 8 & 7 & -30 \end{bmatrix}$$

answer74

$$\begin{bmatrix} -7 & 13 & -11 \\ -23 & 47 & -117 \\ 6 & -20 & -27 \end{bmatrix}$$

answer75

$$\begin{bmatrix} -31 & -1 & -10 \\ -2 & 52 & 37 \\ 94 & 28 & 65 \end{bmatrix}$$

answer76

$$\begin{bmatrix} -11 & 23 & -5 \\ -5 & -43 & -16 \\ 10 & 14 & 16 \end{bmatrix}$$

answer77

$$\begin{bmatrix} 43 & -24 & -18 \\ 120 & -24 & -55 \\ 30 & -30 & 24 \end{bmatrix}$$

answer78

$$\begin{bmatrix} 105 & -55 & 30 \\ -76 & -30 & 52 \\ 61 & -95 & 86 \end{bmatrix}$$

answer79

$$\begin{bmatrix} -48 & -2 & -39 \\ 0 & -73 & 39 \\ -101 & 40 & -24 \end{bmatrix}$$

answer80

$$\begin{bmatrix} 33 & 35 & 75 \\ -42 & 53 & 91 \\ -37 & -15 & 27 \end{bmatrix}$$

answer81

$$\begin{bmatrix} 28 & 29 & -131 \\ 34 & 7 & -92 \\ 28 & -46 & 40 \end{bmatrix}$$

answer82

$$\begin{bmatrix} 24 & -2 & 20 \\ -88 & -3 & -82 \\ -8 & 105 & -62 \end{bmatrix}$$

answer83

$$\begin{bmatrix} 17 & -43 & -25 \\ -73 & -160 & -58 \\ 29 & 20 & 25 \end{bmatrix}$$

answer84

$$\begin{bmatrix} 65 & -167 & -43 \\ 66 & -49 & 39 \\ 33 & -28 & 58 \end{bmatrix}$$

answer85

$$\begin{bmatrix} -25 & -121 & 55 \\ -9 & 61 & -35 \\ 31 & -79 & 6 \end{bmatrix}$$

answer86

$$\begin{bmatrix} -19 & -3 & 37 \\ 98 & -86 & -104 \\ -38 & 110 & 49 \end{bmatrix}$$

answer87

$$\begin{bmatrix} 19 & -49 & -46 \\ 59 & -3 & -15 \\ 17 & -8 & 6 \end{bmatrix}$$

answer88

$$\begin{bmatrix} -6 & -118 & 20 \\ -11 & 1 & -28 \\ -1 & -26 & 40 \end{bmatrix}$$

answer89

$$\begin{bmatrix} -64 & -37 & 86 \\ -54 & -25 & 86 \\ -30 & -20 & -4 \end{bmatrix}$$

answer90

$$\begin{bmatrix} 14 & -12 & 12 \\ 47 & 57 & -58 \\ -32 & -57 & 64 \end{bmatrix}$$

answer91

$$\begin{bmatrix} 27 & -76 & -18 \\ -8 & 20 & 6 \\ 10 & 24 & -11 \end{bmatrix}$$

answer92

$$\begin{bmatrix} -17 & -48 & -76 \\ -104 & -40 & -9 \\ 87 & -10 & -80 \end{bmatrix}$$

answer93

$$\begin{bmatrix} -51 & 29 & -15 \\ -67 & 33 & 15 \\ 16 & 15 & 32 \end{bmatrix}$$

answer94

$$\begin{bmatrix} 60 & 57 & 137 \\ 78 & 46 & 130 \\ 86 & 15 & 89 \end{bmatrix}$$

answer95

$$\begin{bmatrix} -23 & 145 & 22 \\ 104 & 0 & -130 \\ 5 & 101 & -16 \end{bmatrix}$$

answer96

$$\begin{bmatrix} 15 & 0 & -20 \\ -18 & -36 & 63 \\ 49 & 9 & -26 \end{bmatrix}$$

answer97

$$\begin{bmatrix} -122 & -12 & 77 \\ 26 & 6 & -7 \\ -86 & 38 & 20 \end{bmatrix}$$

answer98

$$\begin{bmatrix} 71 & 86 & -77 \\ 78 & 39 & -91 \\ -110 & -119 & 27 \end{bmatrix}$$

answer99

$$\begin{bmatrix} 2 & 28 & 46 \\ 4 & 8 & -26 \\ 9 & -89 & -113 \end{bmatrix}$$

answer100

$$\begin{bmatrix} -29 & -78 & 17 \\ -65 & -28 & 17 \\ -63 & -16 & -51 \end{bmatrix}$$

answer101

$$\begin{bmatrix} -65 & -54 & -7 & 56 \\ -26 & -81 & -16 & 6 \\ 25 & 59 & -48 & -120 \\ 12 & 105 & 11 & 18 \end{bmatrix}$$

answer102

$$\begin{bmatrix} -33 & 19 & -20 & 100 \\ -76 & -67 & 133 & 55 \\ -95 & -59 & 15 & 25 \\ -45 & -51 & 155 & 57 \end{bmatrix}$$

answer103

$$\begin{bmatrix} -1 & 75 & -21 & 103 \\ 10 & -3 & 6 & 26 \\ 58 & 39 & 46 & 72 \\ -56 & -25 & 1 & -45 \end{bmatrix}$$

answer104

$$\begin{bmatrix} 30 & 173 & 27 & 26 \\ 71 & -64 & 138 & -143 \\ -2 & 97 & -5 & 34 \\ 97 & -25 & 3 & -105 \end{bmatrix}$$

answer105

$$\begin{bmatrix} 19 & -8 & -11 & 63 \\ 47 & 24 & 1 & 5 \\ 73 & 58 & 23 & 61 \\ 60 & 16 & 24 & 46 \end{bmatrix}$$

answer106

$$\begin{bmatrix} 159 & -55 & -131 & 29 \\ 87 & -4 & 3 & 138 \\ 55 & 24 & 4 & 57 \\ 44 & 20 & -41 & -43 \end{bmatrix}$$

answer107

$$\begin{bmatrix} 49 & 21 & -34 & 57 \\ 4 & -79 & 88 & -62 \\ -68 & -7 & 27 & -62 \\ 5 & -17 & 63 & 39 \end{bmatrix}$$

answer108

$$\begin{bmatrix} 97 & -6 & -86 & -45 \\ -52 & 106 & -21 & -70 \\ -142 & 142 & -105 & 32 \\ -120 & 42 & 60 & 48 \end{bmatrix}$$

answer109

$$\begin{bmatrix} -9 & -26 & -14 & 63 \\ -14 & -71 & -6 & 11 \\ 0 & 13 & -2 & -95 \\ -54 & -60 & -37 & 42 \end{bmatrix}$$

answer110

$$\begin{bmatrix} 46 & -107 & -72 & -22 \\ -36 & 64 & 120 & -34 \\ -57 & 87 & 51 & 45 \\ 82 & -105 & -144 & -29 \end{bmatrix}$$

answer111

$$\begin{bmatrix} 73 & -56 & -28 & -78 \\ -143 & 76 & -1 & 7 \\ -66 & 31 & -71 & -9 \\ -14 & -30 & -20 & -103 \end{bmatrix}$$

answer112

$$\begin{bmatrix} -98 & 122 & -163 & -12 \\ -9 & 68 & -24 & -29 \\ -82 & 75 & -80 & -8 \\ -49 & 59 & -18 & -4 \end{bmatrix}$$

answer113

$$\begin{bmatrix} 29 & 83 & 70 & -2 \\ 13 & 21 & -30 & -36 \\ -21 & -76 & -59 & -41 \\ 7 & 27 & -16 & 13 \end{bmatrix}$$

answer114

$$\begin{bmatrix} 51 & 54 & -5 & 21 \\ 27 & 26 & 10 & -32 \\ -21 & -16 & 3 & -11 \\ 38 & 68 & -10 & -25 \end{bmatrix}$$

answer115

$$\begin{bmatrix} -6 & -14 & -13 & -41 \\ 67 & 85 & -26 & 15 \\ 20 & -76 & -33 & -57 \\ 75 & 21 & 8 & 135 \end{bmatrix}$$

answer116

$$\begin{bmatrix} -17 & -35 & 77 & -25 \\ 59 & -86 & -21 & -51 \\ 0 & 18 & 27 & -3 \\ 67 & 32 & -48 & -24 \end{bmatrix}$$

answer117

$$\begin{bmatrix} 16 & 16 & -7 & -10 \\ 3 & 102 & -44 & -59 \\ -11 & 8 & -71 & 27 \\ -3 & -57 & 135 & -99 \end{bmatrix}$$

answer118

$$\begin{bmatrix} -80 & -60 & 76 & -31 \\ 57 & 123 & -51 & -61 \\ -62 & 44 & 13 & -61 \\ 32 & -18 & 31 & -39 \end{bmatrix}$$

answer119

$$\begin{bmatrix} 80 & 64 & 108 & -98 \\ -61 & -87 & 89 & 40 \\ 107 & -46 & 32 & 36 \\ 123 & -24 & 61 & 22 \end{bmatrix}$$

answer120

$$\begin{bmatrix} 97 & 84 & -33 & -14 \\ 12 & 33 & -69 & -57 \\ 56 & -13 & -65 & -21 \\ 24 & 0 & -86 & -45 \end{bmatrix}$$

answer121

$$\begin{bmatrix} 29 & -46 & 46 & -72 \\ -72 & 20 & 32 & 20 \\ 73 & -61 & 27 & 45 \\ -79 & -36 & 5 & -129 \end{bmatrix}$$

answer122

$$\begin{bmatrix} 25 & -55 & -69 & 179 \\ -22 & -6 & 113 & -147 \\ -106 & 89 & -19 & 76 \\ -65 & 18 & -10 & -39 \end{bmatrix}$$

answer123

$$\begin{bmatrix} 1 & 46 & -27 & -13 \\ -28 & 28 & -12 & -20 \\ -84 & 52 & 92 & -28 \\ -24 & 3 & 56 & -8 \end{bmatrix}$$

answer124

$$\begin{bmatrix} 126 & -65 & 195 & -48 \\ -65 & 8 & -106 & -14 \\ 57 & 58 & 96 & -44 \\ 73 & 65 & 14 & 54 \end{bmatrix}$$

answer125

$$\begin{bmatrix} 21 & -6 & 45 & 48 \\ -48 & 5 & -52 & -49 \\ -131 & -27 & -53 & -18 \\ 4 & -1 & 43 & 57 \end{bmatrix}$$

answer126

$$\begin{bmatrix} 55 & -100 & -63 & -59 \\ 37 & 21 & -23 & 93 \\ 83 & -71 & -92 & 88 \\ -38 & 36 & 37 & 23 \end{bmatrix}$$

answer127

$$\begin{bmatrix} -97 & -105 & 105 & 22 \\ -30 & -150 & 84 & -2 \\ -97 & -51 & 72 & -44 \\ -15 & -33 & 9 & -57 \end{bmatrix}$$

answer128

$$\begin{bmatrix} 21 & 15 & -5 & -49 \\ -73 & 127 & -63 & -61 \\ -9 & 67 & -94 & -70 \\ -74 & 27 & 53 & 65 \end{bmatrix}$$

answer129

$$\begin{bmatrix} -117 & -28 & 27 & -3 \\ -46 & 27 & -28 & 2 \\ -45 & -7 & -46 & 0 \\ -70 & 41 & 4 & 20 \end{bmatrix}$$

answer130

$$\begin{bmatrix} 18 & 64 & 1 & -25 \\ 6 & 74 & 108 & -6 \\ 122 & 65 & -14 & 35 \\ -76 & -11 & -8 & 23 \end{bmatrix}$$

answer131

$$\begin{bmatrix} 173 & -95 & -36 & 1 \\ -110 & 61 & -80 & 20 \\ 89 & -109 & -30 & 11 \\ -59 & 47 & 91 & 33 \end{bmatrix}$$

answer132

$$\begin{bmatrix} 5 & 25 & -67 & 33 \\ 64 & -15 & 51 & -92 \\ -71 & -35 & -97 & 144 \\ 24 & 20 & -10 & -45 \end{bmatrix}$$

answer133

$$\begin{bmatrix} 28 & 50 & -148 & 3 \\ 124 & 78 & 59 & 96 \\ 4 & -26 & 80 & -25 \\ 29 & 26 & -97 & -19 \end{bmatrix}$$

answer134

$$\begin{bmatrix} 81 & -19 & 51 & 1 \\ -31 & -39 & -41 & -7 \\ -17 & 20 & -33 & 19 \\ -30 & -14 & -52 & -42 \end{bmatrix}$$

answer135

$$\begin{bmatrix} 67 & -94 & 8 & 77 \\ -20 & -70 & 78 & 67 \\ 64 & -10 & -4 & 134 \\ 11 & -20 & -46 & -126 \end{bmatrix}$$

answer136

$$\begin{bmatrix} 24 & 102 & 54 & -76 \\ 8 & -35 & -20 & 32 \\ 79 & 76 & 37 & -17 \\ -34 & -1 & 29 & -63 \end{bmatrix}$$

answer137

$$\begin{bmatrix} 84 & -7 & 20 & -5 \\ -41 & 34 & -76 & -60 \\ 40 & 70 & -86 & -28 \\ 1 & 73 & -101 & -66 \end{bmatrix}$$

answer138

$$\begin{bmatrix} 51 & -14 & -94 & 2 \\ -123 & 84 & -10 & -16 \\ -33 & 48 & -114 & 24 \\ 9 & -36 & 134 & -36 \end{bmatrix}$$

answer139

$$\begin{bmatrix} 4 & -10 & -157 & 128 \\ 46 & 53 & -122 & 70 \\ -55 & -62 & 96 & -3 \\ 23 & 2 & -1 & 31 \end{bmatrix}$$

answer140

$$\begin{bmatrix} 11 & -94 & -73 & 26 \\ -35 & -17 & -2 & -35 \\ -7 & 32 & -13 & -37 \\ 18 & -181 & 93 & 148 \end{bmatrix}$$

answer141

$$\begin{bmatrix} 65 & 79 & -26 & 42 \\ -76 & 19 & -94 & -66 \\ 51 & 87 & 10 & 22 \\ -28 & -32 & -68 & -79 \end{bmatrix}$$

answer142

$$\begin{bmatrix} -52 & -11 & -50 & -30 \\ -46 & -31 & -46 & -23 \\ -24 & -68 & 75 & -23 \\ -40 & 3 & -27 & 5 \end{bmatrix}$$

answer143

$$\begin{bmatrix} -11 & -33 & 38 & -5 \\ 21 & -93 & 54 & -1 \\ -22 & 68 & -20 & 12 \\ 17 & 104 & -143 & -18 \end{bmatrix}$$

answer144

$$\begin{bmatrix} 27 & -7 & -14 & -25 \\ 34 & -12 & -55 & -21 \\ 29 & -23 & -6 & 19 \\ 96 & -110 & 0 & 18 \end{bmatrix}$$

answer145

$$\begin{bmatrix} -34 & 21 & 55 & 14 \\ -66 & -45 & 132 & -99 \\ -52 & -77 & 33 & -182 \\ -32 & -38 & 36 & -62 \end{bmatrix}$$

answer146

$$\begin{bmatrix} -11 & 22 & -21 & 61 \\ 98 & -116 & 6 & -86 \\ 24 & 26 & 3 & -30 \\ 56 & 42 & -102 & -16 \end{bmatrix}$$

answer147

$$\begin{bmatrix} -32 & 128 & -15 & -100 \\ -99 & 50 & 7 & -117 \\ 26 & -44 & 1 & 32 \\ 85 & -99 & 1 & 130 \end{bmatrix}$$

answer148

$$\begin{bmatrix} 12 & -48 & 27 & -24 \\ -14 & -36 & 19 & -6 \\ -51 & -29 & 60 & -27 \\ 63 & 78 & 18 & -33 \end{bmatrix}$$

answer149

$$\begin{bmatrix} 115 & 110 & -88 & -70 \\ -129 & 36 & -27 & -77 \\ -53 & 4 & -18 & -139 \\ 20 & 96 & -73 & -60 \end{bmatrix}$$

answer150

$$\begin{bmatrix} -80 & -69 & -129 & 20 \\ 83 & 56 & 168 & -91 \\ 80 & 23 & 29 & -56 \\ 86 & 17 & 72 & -25 \end{bmatrix}$$

2 Matrix Inverse

answer1

$$\begin{bmatrix} 1.000000 & -0.666667 \\ -3.000000 & 1.666667 \end{bmatrix}$$

answer2

$$\begin{bmatrix} -0.125000 & -0.000000 \\ -0.312500 & 0.250000 \end{bmatrix}$$

answer3

$$\begin{bmatrix} -0.050000 & 0.350000 \\ -0.200000 & 0.400000 \end{bmatrix}$$

answer4

$$\begin{bmatrix} 0.500000 & -0.900000 \\ -0.000000 & -0.200000 \end{bmatrix}$$

answer5

$$\begin{bmatrix} 0.121951 & -0.012195 \\ 0.097561 & -0.109756 \end{bmatrix}$$

answer6

$$\begin{bmatrix} 0.106667 & -0.093333 \\ 0.066667 & 0.066667 \end{bmatrix}$$

answer7

$$\begin{bmatrix} 0.375000 & -0.250000 \\ -0.125000 & -0.250000 \end{bmatrix}$$

answer8

$$\begin{bmatrix} 0.000000 & 0.250000 \\ 0.333333 & -0.333333 \end{bmatrix}$$

answer9

$$\begin{bmatrix} 0.179487 & -0.205128 \\ 0.076923 & -0.230769 \end{bmatrix}$$

answer10

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

answer11

$$\begin{bmatrix} 0.300000 & -0.100000 \\ 0.250000 & -0.250000 \end{bmatrix}$$

answer12

$$\begin{bmatrix} -0.000000 & -0.111111 \\ 0.142857 & 0.095238 \end{bmatrix}$$

answer13	$\begin{bmatrix} -1.000000 & -0.800000 \\ 0.500000 & 0.300000 \end{bmatrix}$
answer14	$\begin{bmatrix} -0.055556 & 0.222222 \\ 0.055556 & 0.277778 \end{bmatrix}$
answer15	$\begin{bmatrix} -0.000000 & -0.166667 \\ -0.125000 & 0.125000 \end{bmatrix}$
answer16	$\begin{bmatrix} -0.153846 & -0.057692 \\ 0.076923 & 0.153846 \end{bmatrix}$
answer17	$\begin{bmatrix} -0.090909 & -0.090909 \\ -0.034091 & 0.090909 \end{bmatrix}$
answer18	$\begin{bmatrix} -0.615385 & 0.230769 \\ 0.692308 & -0.384615 \end{bmatrix}$
answer19	$\begin{bmatrix} -0.235294 & 0.294118 \\ -0.176471 & 0.470588 \end{bmatrix}$
answer20	$\begin{bmatrix} 0.181818 & -0.090909 \\ -0.151515 & -0.090909 \end{bmatrix}$
answer21	$\begin{bmatrix} -0.151515 & -0.090909 \\ 0.181818 & -0.090909 \end{bmatrix}$
answer22	$\begin{bmatrix} 0.076923 & 0.461538 \\ -0.076923 & 0.538462 \end{bmatrix}$
answer23	$\begin{bmatrix} -0.200000 & 1.000000 \\ -0.100000 & -0.000000 \end{bmatrix}$
answer24	$\begin{bmatrix} 0.166667 & 0.055556 \\ -0.166667 & 0.277778 \end{bmatrix}$
answer25	$\begin{bmatrix} -0.125000 & -0.500000 \\ -0.062500 & 0.250000 \end{bmatrix}$
answer26	$\begin{bmatrix} -0.136364 & -0.113636 \\ -0.090909 & 0.090909 \end{bmatrix}$

answer27	$\begin{bmatrix} -0.035714 & 0.107143 \\ 0.107143 & 0.178571 \end{bmatrix}$
answer28	$\begin{bmatrix} 0.118421 & -0.013158 \\ 0.065789 & -0.118421 \end{bmatrix}$
answer29	$\begin{bmatrix} -0.208333 & -0.375000 \\ -0.250000 & -0.250000 \end{bmatrix}$
answer30	$\begin{bmatrix} -0.090909 & 0.018182 \\ -0.090909 & -0.181818 \end{bmatrix}$
answer31	$\begin{bmatrix} 0.600000 & 1.000000 \\ -0.700000 & -1.000000 \end{bmatrix}$
answer32	$\begin{bmatrix} -0.066667 & 0.533333 \\ 0.133333 & -0.066667 \end{bmatrix}$
answer33	$\begin{bmatrix} 0.016667 & -0.116667 \\ 0.150000 & -0.050000 \end{bmatrix}$
answer34	$\begin{bmatrix} 0.083333 & -0.125000 \\ -0.250000 & -0.125000 \end{bmatrix}$
answer35	$\begin{bmatrix} -0.062500 & -0.100000 \\ -0.125000 & -0.000000 \end{bmatrix}$
answer36	$\begin{bmatrix} -0.084211 & -0.073684 \\ 0.094737 & -0.042105 \end{bmatrix}$
answer37	$\begin{bmatrix} 0.123288 & -0.109589 \\ 0.109589 & 0.013699 \end{bmatrix}$
answer38	$\begin{bmatrix} -0.117647 & 0.176471 \\ 0.029412 & -0.294118 \end{bmatrix}$
answer39	$\begin{bmatrix} -0.049383 & 0.111111 \\ 0.111111 & 0.000000 \end{bmatrix}$
answer40	$\begin{bmatrix} 0.140625 & -0.062500 \\ -0.109375 & -0.062500 \end{bmatrix}$

answer41

$$\begin{bmatrix} -0.069767 & 0.186047 \\ 0.186047 & -0.162791 \end{bmatrix}$$

answer42

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

answer43

$$\begin{bmatrix} -0.075758 & 0.045455 \\ -0.053030 & -0.068182 \end{bmatrix}$$

answer44

$$\begin{bmatrix} -0.133333 & -0.033333 \\ -0.166667 & 0.083333 \end{bmatrix}$$

answer45

$$\begin{bmatrix} 0.000000 & -0.500000 \\ -1.000000 & -3.500000 \end{bmatrix}$$

answer46

$$\begin{bmatrix} -0.357143 & -0.071429 \\ -0.071429 & -0.214286 \end{bmatrix}$$

answer47

$$\begin{bmatrix} -0.259259 & -0.296296 \\ -0.222222 & -0.111111 \end{bmatrix}$$

answer48

$$\begin{bmatrix} -0.024390 & -0.085366 \\ 0.121951 & -0.073171 \end{bmatrix}$$

answer49

$$\begin{bmatrix} -0.064815 & -0.074074 \\ -0.092593 & 0.037037 \end{bmatrix}$$

answer50

$$\begin{bmatrix} -0.047619 & 0.142857 \\ -0.063492 & -0.142857 \end{bmatrix}$$

answer51

$$\begin{bmatrix} 0.218845 & 0.039514 & 0.042553 \\ -0.194529 & 0.075988 & -0.148936 \\ 0.033435 & -0.091185 & -0.021277 \end{bmatrix}$$

answer52

$$\begin{bmatrix} -0.113712 & 0.022575 & 0.065217 \\ 0.023411 & 0.046823 & -0.086957 \\ -0.026756 & -0.053512 & -0.043478 \end{bmatrix}$$

answer53

$$\begin{bmatrix} -0.333333 & -0.666667 & 2.000000 \\ -1.000000 & -2.333333 & 7.666667 \\ 0.000000 & -0.333333 & 0.666667 \end{bmatrix}$$

answer54	$\begin{bmatrix} -0.106383 & -0.117021 & -0.308511 \\ 0.223404 & 0.095745 & 0.297872 \\ 0.180851 & 0.148936 & 0.074468 \end{bmatrix}$
answer55	$\begin{bmatrix} -0.053178 & -0.039559 & 0.016861 \\ -0.006485 & 0.092737 & 0.075227 \\ -0.062257 & -0.009728 & -0.077821 \end{bmatrix}$
answer56	$\begin{bmatrix} -0.500000 & 0.250000 & 0.250000 \\ 0.540000 & -0.190000 & -0.150000 \\ 0.340000 & 0.010000 & -0.150000 \end{bmatrix}$
answer57	$\begin{bmatrix} -0.074534 & 0.180124 & 0.111801 \\ -0.086957 & 0.043478 & 0.130435 \\ 0.055901 & -0.385093 & -0.583851 \end{bmatrix}$
answer58	$\begin{bmatrix} -0.400000 & 0.600000 & -0.800000 \\ 0.500000 & -1.000000 & 1.500000 \\ 1.500000 & -3.000000 & 3.500000 \end{bmatrix}$
answer59	$\begin{bmatrix} 0.116279 & 0.162791 & 0.011628 \\ -0.139535 & 0.104651 & 0.186047 \\ 0.023256 & 0.232558 & 0.302326 \end{bmatrix}$
answer60	$\begin{bmatrix} 0.081731 & 0.182692 & -0.076923 \\ 0.019231 & -0.192308 & -0.076923 \\ 0.187500 & 0.125000 & -0.000000 \end{bmatrix}$
answer61	$\begin{bmatrix} 0.094160 & -0.065554 & -0.061979 \\ 0.013111 & -0.097735 & 0.016687 \\ -0.106079 & -0.027414 & -0.044100 \end{bmatrix}$
answer62	$\begin{bmatrix} 0.047619 & 0.000000 & 0.142857 \\ 0.171429 & 0.200000 & 0.114286 \\ -0.257143 & 0.200000 & -0.171429 \end{bmatrix}$
answer63	$\begin{bmatrix} 0.093812 & 0.049900 & 0.004990 \\ 0.049900 & -0.079840 & -0.007984 \\ -0.019960 & 0.031936 & -0.096806 \end{bmatrix}$
answer64	$\begin{bmatrix} 1.200000 & 0.300000 & -2.300000 \\ -0.500000 & -0.250000 & 1.250000 \\ 0.400000 & 0.100000 & -1.100000 \end{bmatrix}$

answer65	$\begin{bmatrix} -0.000000 & 0.131579 & -0.157895 \\ 0.111111 & -0.175439 & 0.099415 \\ -0.000000 & -0.210526 & 0.052632 \end{bmatrix}$
answer66	$\begin{bmatrix} -0.107692 & -0.123077 & 0.015385 \\ -0.089744 & 0.064103 & 0.179487 \\ 0.069231 & 0.007692 & 0.061538 \end{bmatrix}$
answer67	$\begin{bmatrix} -0.307339 & -0.160550 & -0.261468 \\ 0.261468 & 0.032110 & 0.252294 \\ -0.206422 & -0.077982 & -0.041284 \end{bmatrix}$
answer68	$\begin{bmatrix} 0.264706 & -0.191176 & 0.397059 \\ -0.235294 & 0.058824 & -0.352941 \\ -0.205882 & 0.426471 & -0.808824 \end{bmatrix}$
answer69	$\begin{bmatrix} 1.250000 & 3.500000 & -4.250000 \\ -1.750000 & -4.500000 & 5.750000 \\ 2.625000 & 7.250000 & -9.125000 \end{bmatrix}$
answer70	$\begin{bmatrix} -0.071651 & 0.171340 & -0.082555 \\ -0.006231 & -0.202492 & 0.188474 \\ -0.031153 & -0.012461 & -0.057632 \end{bmatrix}$
answer71	$\begin{bmatrix} -6.333333 & -5.000000 & -3.333333 \\ 4.466667 & 3.600000 & 2.266667 \\ -1.066667 & -0.800000 & -0.466667 \end{bmatrix}$
answer72	$\begin{bmatrix} -0.044510 & -0.050445 & 0.071217 \\ 0.118694 & -0.198813 & -0.189911 \\ 0.130564 & -0.118694 & -0.008902 \end{bmatrix}$
answer73	$\begin{bmatrix} -0.500000 & 0.000000 & -0.500000 \\ -0.368056 & -0.097222 & -0.340278 \\ 0.222222 & -0.111111 & 0.111111 \end{bmatrix}$
answer74	$\begin{bmatrix} -0.058333 & 0.212500 & -0.050000 \\ -0.166667 & 0.250000 & -0.000000 \\ 0.008333 & 0.112500 & 0.150000 \end{bmatrix}$
answer75	$\begin{bmatrix} -0.118492 & -0.077199 & -0.052065 \\ 0.005386 & -0.132855 & -0.043088 \\ 0.007181 & 0.156194 & -0.057451 \end{bmatrix}$

answer76	$\begin{bmatrix} 1.375000 & 0.535714 & 1.250000 \\ 1.000000 & 0.428571 & 1.000000 \\ -1.000000 & -0.285714 & -1.000000 \end{bmatrix}$
answer77	$\begin{bmatrix} -0.014019 & -0.205607 & -0.252336 \\ -0.046729 & -0.018692 & 0.158879 \\ 0.149533 & -0.140187 & -0.308411 \end{bmatrix}$
answer78	$\begin{bmatrix} -0.069231 & -0.015385 & 0.100000 \\ -0.153846 & -0.173077 & -0.000000 \\ -0.007692 & 0.053846 & -0.100000 \end{bmatrix}$
answer79	$\begin{bmatrix} 0.102190 & 0.094891 & 0.153285 \\ 0.178832 & -0.083942 & 0.018248 \\ 0.135036 & 0.018248 & -0.047445 \end{bmatrix}$
answer80	$\begin{bmatrix} 0.088000 & -0.104000 & -0.184000 \\ 0.024000 & 0.108000 & 0.268000 \\ -0.032000 & -0.144000 & -0.024000 \end{bmatrix}$
answer81	$\begin{bmatrix} -0.251534 & 0.386503 & 0.147239 \\ -0.386503 & 0.398773 & 0.104294 \\ 0.239264 & -0.294479 & 0.030675 \end{bmatrix}$
answer82	$\begin{bmatrix} -0.168067 & -0.105042 & -0.088235 \\ -0.008403 & -0.130252 & -0.029412 \\ -0.243697 & -0.277311 & -0.352941 \end{bmatrix}$
answer83	$\begin{bmatrix} -0.054545 & -0.090909 & -0.272727 \\ 0.072727 & -0.545455 & -0.636364 \\ 0.163636 & -0.727273 & -1.181818 \end{bmatrix}$
answer84	$\begin{bmatrix} -0.210909 & 0.040000 & -0.014545 \\ 0.003636 & 0.120000 & 0.138182 \\ -0.181818 & -0.000000 & 0.090909 \end{bmatrix}$
answer85	$\begin{bmatrix} 0.027687 & -0.094463 & -0.123779 \\ -0.141694 & 0.071661 & 0.162866 \\ -0.092834 & 0.081433 & 0.003257 \end{bmatrix}$
answer86	$\begin{bmatrix} -7.000000 & 4.000000 & -8.000000 \\ 7.500000 & -4.500000 & 8.000000 \\ 4.500000 & -2.500000 & 5.000000 \end{bmatrix}$

answer87	$\begin{bmatrix} 0.052463 & 0.070664 & 0.066381 \\ -0.069593 & 0.089936 & -0.006424 \\ 0.091006 & -0.040685 & -0.068522 \end{bmatrix}$
answer88	$\begin{bmatrix} -1.333333 & -1.333333 & -0.833333 \\ 0.944444 & 1.111111 & 0.527778 \\ -0.055556 & 0.111111 & 0.027778 \end{bmatrix}$
answer89	$\begin{bmatrix} 0.166667 & 0.333333 & 0.400000 \\ -0.416667 & -0.333333 & -0.700000 \\ -1.000000 & -1.000000 & -1.600000 \end{bmatrix}$
answer90	$\begin{bmatrix} 0.030588 & -0.057647 & 0.032941 \\ 0.009412 & 0.097647 & 0.087059 \\ 0.103529 & 0.074118 & -0.042353 \end{bmatrix}$
answer91	$\begin{bmatrix} -0.053619 & -0.091153 & 0.006702 \\ 0.029491 & 0.150134 & -0.128686 \\ -0.104558 & -0.077748 & 0.138070 \end{bmatrix}$
answer92	$\begin{bmatrix} 0.085047 & 0.006542 & 0.116822 \\ -0.040187 & 0.073832 & 0.032710 \\ -0.057009 & -0.081308 & -0.023364 \end{bmatrix}$
answer93	$\begin{bmatrix} -0.366667 & 0.133333 & -0.222222 \\ 0.177778 & -0.155556 & 0.148148 \\ -0.422222 & 0.244444 & -0.185185 \end{bmatrix}$
answer94	$\begin{bmatrix} -0.067308 & -0.225962 & -0.370192 \\ 0.057692 & -0.163462 & -0.182692 \\ 0.115385 & 0.173077 & 0.134615 \end{bmatrix}$
answer95	$\begin{bmatrix} -0.224490 & 0.122449 & 0.163265 \\ -0.489796 & 0.448980 & 0.265306 \\ 0.253061 & -0.265306 & -0.220408 \end{bmatrix}$
answer96	$\begin{bmatrix} 0.211055 & -0.113065 & -0.077889 \\ -0.025126 & 0.120603 & -0.050251 \\ -0.030151 & -0.055276 & -0.060302 \end{bmatrix}$
answer97	$\begin{bmatrix} -0.379747 & 0.088608 & -0.208861 \\ 0.025316 & -0.139241 & 0.113924 \\ -0.493671 & 0.215190 & -0.221519 \end{bmatrix}$

answer98

$$\begin{bmatrix} 0.145933 & 0.119617 & -0.107656 \\ 0.090909 & 0.090909 & -0.181818 \\ 0.057416 & -0.100478 & -0.009569 \end{bmatrix}$$

answer99

$$\begin{bmatrix} -0.037313 & 0.126866 & 0.074627 \\ -0.014925 & -0.149254 & 0.029851 \\ 0.208955 & 0.089552 & 0.082090 \end{bmatrix}$$

answer100

$$\begin{bmatrix} 0.307692 & -0.230769 & 0.230769 \\ 0.335664 & -0.160839 & 0.433566 \\ 0.188811 & -0.027972 & 0.118881 \end{bmatrix}$$

answer101

$$\begin{bmatrix} 0.067475 & -0.088034 & 0.173959 & 0.071165 \\ 0.013969 & 0.087243 & 0.028202 & 0.034265 \\ 0.139958 & -0.069320 & 0.056141 & -0.090669 \\ 0.031629 & -0.010016 & -0.105957 & 0.002109 \end{bmatrix}$$

answer102

$$\begin{bmatrix} 24.263158 & 8.000000 & 8.500000 & 9.789474 \\ 15.421053 & 5.000000 & 5.500000 & 6.263158 \\ 5.736842 & 2.000000 & 2.000000 & 2.210526 \\ -3.052632 & -1.000000 & -1.000000 & -1.157895 \end{bmatrix}$$

answer103

$$\begin{bmatrix} -0.026042 & -0.216797 & -0.009766 & 0.076823 \\ -0.210938 & -0.143555 & -0.141602 & -0.052734 \\ -0.013021 & 0.079102 & 0.057617 & -0.086589 \\ -0.023438 & -0.182617 & -0.071289 & -0.005859 \end{bmatrix}$$

answer104

$$\begin{bmatrix} 0.110285 & 0.115242 & -0.028501 & -0.234201 \\ -0.018587 & 0.092937 & -0.141264 & 0.230483 \\ 0.178439 & 0.107807 & 0.156134 & -0.412639 \\ 0.053284 & 0.066914 & 0.171623 & -0.394052 \end{bmatrix}$$

answer105

$$\begin{bmatrix} 0.104827 & 0.125943 & 0.157617 & -0.034691 \\ 0.262443 & 0.660633 & 0.257919 & -0.511312 \\ -0.019608 & 0.019608 & 0.078431 & 0.078431 \\ 0.223982 & 0.391403 & 0.142534 & -0.203620 \end{bmatrix}$$

answer106

$$\begin{bmatrix} 0.081367 & -0.019056 & -0.010587 & 0.076528 \\ 0.000605 & 0.159710 & -0.022384 & 0.104658 \\ -0.023593 & -0.228675 & -0.127042 & -0.081670 \\ 0.028131 & -0.073503 & -0.040835 & -0.133394 \end{bmatrix}$$

answer107

$$\begin{bmatrix} -0.104444 & 0.016711 & 0.102924 & -0.081276 \\ 0.296620 & 0.072541 & -0.212305 & 0.010824 \\ -0.199392 & 0.031903 & 0.105583 & -0.018800 \\ -0.124953 & -0.060008 & 0.039499 & -0.071781 \end{bmatrix}$$

answer108

$$\begin{bmatrix} -0.661538 & -1.169231 & 0.184615 & 1.046154 \\ 0.353846 & 1.323077 & -0.261538 & -0.815385 \\ -0.938462 & -2.030769 & 0.215385 & 1.553846 \\ -0.092308 & 0.046154 & -0.323077 & 0.169231 \end{bmatrix}$$

answer109

$$\begin{bmatrix} -0.319826 & -0.195369 & -0.471780 & -0.510854 \\ -0.156295 & -0.167873 & -0.397974 & -0.231548 \\ -0.096237 & -0.232996 & -0.388567 & -0.235166 \\ -0.064399 & -0.050651 & -0.214906 & -0.225036 \end{bmatrix}$$

answer110

$$\begin{bmatrix} -0.069335 & -0.013960 & -0.067008 & 0.031643 \\ -0.087017 & 0.056305 & 0.070265 & -0.060959 \\ -0.003723 & 0.120056 & -0.023732 & -0.072127 \\ 0.207538 & -0.193113 & 0.073057 & -0.228944 \end{bmatrix}$$

answer111

$$\begin{bmatrix} 0.251232 & 0.322660 & -0.674877 & 0.635468 \\ 0.093596 & 0.022167 & -0.290640 & 0.295567 \\ -0.128079 & -0.056650 & 0.187192 & -0.088670 \\ 0.216749 & 0.121511 & -0.444992 & 0.509031 \end{bmatrix}$$

answer112

$$\begin{bmatrix} -0.133667 & -0.135776 & 0.204587 & 0.180596 \\ -0.167414 & -0.014237 & 0.141840 & 0.009228 \\ -0.080411 & -0.061956 & 0.209860 & 0.169786 \\ 0.065384 & -0.047983 & -0.003427 & -0.042974 \end{bmatrix}$$

answer113

$$\begin{bmatrix} -7.600000 & 6.000000 & -0.600000 & 2.200000 \\ -4.787500 & 3.750000 & -0.287500 & 1.450000 \\ 4.275000 & -3.500000 & 0.275000 & -1.300000 \\ -2.662500 & 2.250000 & -0.162500 & 0.950000 \end{bmatrix}$$

answer114

$$\begin{bmatrix} 0.340074 & 0.052390 & 0.314338 & -0.500919 \\ -0.077206 & -0.009191 & -0.055147 & -0.034926 \\ 0.268382 & 0.222426 & 0.334559 & -0.354779 \\ -0.139706 & -0.040441 & -0.242647 & 0.246324 \end{bmatrix}$$

answer115

$$\begin{bmatrix} -0.183290 & -0.452073 & -0.068005 & -0.051813 \\ 0.107513 & 0.339378 & 0.167098 & -0.015544 \\ -0.087435 & -0.053109 & -0.039508 & -0.077720 \\ 0.090026 & -0.071244 & -0.040803 & -0.031088 \end{bmatrix}$$

answer116

$$\begin{bmatrix} -0.071677 & -0.000869 & -0.126846 & -0.119896 \\ 0.175065 & -0.137272 & -0.041703 & 0.056473 \\ -0.073414 & -0.006950 & -0.014770 & 0.040834 \\ -0.278019 & 0.026933 & -0.067767 & -0.283232 \end{bmatrix}$$

answer117

$$\begin{bmatrix} -0.444444 & -0.888889 & 0.333333 & -0.777778 \\ 0.277778 & 1.472222 & -1.000000 & 1.027778 \\ -0.611111 & -2.472222 & 1.333333 & -1.694444 \\ -0.277778 & -1.138889 & 0.666667 & -0.694444 \end{bmatrix}$$

answer118

$$\begin{bmatrix} 0.101562 & -0.061198 & 0.059245 & -0.031901 \\ 0.204687 & -0.033594 & 0.202734 & 0.029297 \\ 0.084375 & -0.038021 & 0.132552 & -0.055990 \\ 0.045312 & -0.091406 & 0.109766 & 0.033203 \end{bmatrix}$$

answer119

$$\begin{bmatrix} 0.208955 & 0.164179 & -0.552239 & -0.582090 \\ -0.129736 & -0.173364 & 0.359357 & 0.509759 \\ 0.306544 & 0.312285 & -0.442021 & -0.540758 \\ 0.143513 & 0.041332 & -0.132032 & -0.174512 \end{bmatrix}$$

answer120

$$\begin{bmatrix} 0.110390 & -0.099567 & -0.028139 & 0.086580 \\ 0.090909 & -0.454545 & -0.454545 & 0.090909 \\ 0.058442 & 0.064935 & 0.279221 & -0.012987 \\ -0.134199 & 0.258297 & 0.210678 & -0.007215 \end{bmatrix}$$

answer121

$$\begin{bmatrix} -0.048750 & -0.029375 & 0.036250 & -0.095000 \\ 0.036250 & 0.073125 & 0.101250 & 0.045000 \\ -0.456250 & 0.096875 & -0.481250 & -0.325000 \\ -0.082500 & -0.011250 & -0.092500 & 0.070000 \end{bmatrix}$$

answer122

$$\begin{bmatrix} 0.173684 & 0.163158 & 0.373684 & 0.047368 \\ 0.343860 & 0.494737 & 0.477193 & 0.154386 \\ 0.580702 & 0.626316 & 0.714035 & 0.128070 \\ 0.398246 & 0.384211 & 0.664912 & 0.229825 \end{bmatrix}$$

answer123

$$\begin{bmatrix} -0.093326 & 0.287330 & 0.354261 & -0.097474 \\ -0.050339 & 0.070136 & -0.025075 & -0.030354 \\ 0.075792 & -0.330317 & -0.344268 & 0.056938 \\ -0.056561 & 0.022624 & 0.042986 & 0.052036 \end{bmatrix}$$

answer124

$$\begin{bmatrix} -0.378289 & 0.157895 & 0.269737 & -0.134868 \\ -0.401316 & 0.263158 & 0.407895 & -0.203947 \\ -1.345395 & 0.578947 & 1.072368 & -0.036184 \\ -1.365132 & 0.526316 & 1.190789 & -0.095395 \end{bmatrix}$$

answer125

$$\begin{bmatrix} 0.044610 & -0.052045 & -0.081784 & 0.211896 \\ -0.107807 & -0.040892 & 0.030979 & -0.095415 \\ -0.130112 & -0.014870 & 0.405204 & -0.368030 \\ 0.096654 & 0.053903 & -0.343866 & 0.459108 \end{bmatrix}$$

answer126

$$\begin{bmatrix} -0.173228 & 0.047244 & -0.078740 & -0.070866 \\ 0.029528 & -0.212598 & -0.145669 & 0.068898 \\ -0.273622 & 0.370079 & 0.216535 & -0.305118 \\ -0.204724 & 0.207349 & 0.209974 & -0.144357 \end{bmatrix}$$

answer127

$$\begin{bmatrix} -0.066349 & -0.064988 & 0.036747 & -0.075366 \\ 0.140864 & 0.030282 & 0.014291 & -0.001531 \\ 0.114665 & -0.108200 & -0.017353 & -0.033855 \\ 0.015311 & -0.061926 & -0.085403 & -0.097993 \end{bmatrix}$$

answer128

$$\begin{bmatrix} -0.112676 & -0.056338 & 0.183099 & 0.070423 \\ -0.349296 & 0.025352 & 0.267606 & 0.118310 \\ 0.092958 & 0.146479 & 0.323944 & 0.016901 \\ -0.171831 & 0.214085 & 0.704225 & 0.332394 \end{bmatrix}$$

answer129

$$\begin{bmatrix} -0.285223 & -0.323024 & -0.687285 & 0.024055 \\ 0.030928 & 0.149485 & 0.201031 & 0.015464 \\ -0.278351 & -0.345361 & -0.609278 & 0.060825 \\ -0.051546 & -0.082474 & -0.235052 & 0.074227 \end{bmatrix}$$

answer130

$$\begin{bmatrix} -0.121617 & -0.070600 & -0.122989 & 0.031558 \\ -0.003368 & 0.019583 & -0.089560 & -0.017588 \\ 0.034552 & -0.052763 & -0.007110 & -0.041786 \\ 0.119496 & 0.008856 & 0.029562 & 0.068479 \end{bmatrix}$$

answer131

$$\begin{bmatrix} -0.121294 & 0.028302 & -0.122642 & 0.036837 \\ 0.142857 & 0.000000 & 0.000000 & -0.095238 \\ -0.293801 & -0.198113 & -0.141509 & 0.170710 \\ -0.148248 & -0.132075 & -0.094340 & 0.193172 \end{bmatrix}$$

answer132

$$\begin{bmatrix} 0.854251 & -0.870445 & 0.125506 & -0.578947 \\ -0.016194 & 0.125506 & -0.097166 & 0.157895 \\ 0.153846 & -0.192308 & -0.076923 & 0.000000 \\ -0.344130 & 0.417004 & -0.064777 & 0.105263 \end{bmatrix}$$

answer133

$$\begin{bmatrix} -0.063303 & -0.006663 & 0.059020 & 0.080438 \\ -0.051642 & -0.058068 & -0.057116 & -0.013327 \\ 0.048548 & -0.152784 & 0.210376 & -0.084246 \\ -0.004522 & -0.000476 & 0.147073 & -0.065683 \end{bmatrix}$$

answer134

$$\begin{bmatrix} -0.168435 & 0.137931 & 0.156499 & -0.118037 \\ 0.055703 & -0.344828 & -0.429708 & -0.031830 \\ 0.167772 & -0.086207 & -0.222812 & 0.011273 \\ -0.106101 & 0.275862 & 0.389920 & -0.082228 \end{bmatrix}$$

answer135

$$\begin{bmatrix} -0.104603 & 0.066946 & -0.008368 & 0.154812 \\ 0.016736 & -0.970711 & -0.878661 & 0.255230 \\ 0.016736 & 0.029289 & 0.121339 & 0.255230 \\ -0.096234 & 0.581590 & 0.552301 & -0.217573 \end{bmatrix}$$

answer136

$$\begin{bmatrix} -0.219203 & 0.073370 & 0.166667 & 0.277174 \\ -0.304348 & 0.304348 & -0.000000 & 0.260870 \\ 0.250000 & -0.125000 & 0.000000 & -0.250000 \\ 0.360507 & -0.339674 & -0.166667 & -0.505435 \end{bmatrix}$$

answer137

$$\begin{bmatrix} -0.083170 & 0.115460 & 0.150685 & 0.158513 \\ 0.009785 & -0.072407 & 0.041096 & -0.489237 \\ 0.101761 & 0.046967 & 0.027397 & -0.088063 \\ -0.070450 & 0.121331 & -0.095890 & 0.522505 \end{bmatrix}$$

answer138

$$\begin{bmatrix} 0.033006 & -0.006320 & -0.241573 & 0.211376 \\ 0.107444 & 0.000702 & -0.084270 & 0.198736 \\ 0.164326 & -0.116573 & -0.011236 & 0.009831 \\ -0.099017 & 0.018961 & -0.275281 & 0.365871 \end{bmatrix}$$

answer139

$$\begin{bmatrix} -0.097039 & -0.128289 & 0.088816 & 0.046053 \\ 0.003289 & 0.190789 & 0.098684 & -0.171053 \\ 0.235197 & 0.141447 & 0.055921 & -0.230263 \\ -0.050987 & 0.042763 & -0.029605 & 0.151316 \end{bmatrix}$$

answer140

$$\begin{bmatrix} 0.365854 & -0.414634 & -0.073171 & -0.121951 \\ -0.678862 & 1.280488 & -0.097561 & 0.670732 \\ -0.146341 & 0.365854 & -0.170732 & 0.048780 \\ -0.609756 & 1.024390 & 0.121951 & 0.536585 \end{bmatrix}$$

answer141

$$\begin{bmatrix} -0.028217 & 0.049379 & -0.097348 & -0.079289 \\ -0.127540 & -0.026806 & -0.090011 & -0.128386 \\ 0.208804 & -0.115406 & -0.029628 & 0.236738 \\ -0.029345 & 0.051354 & 0.098758 & -0.122460 \end{bmatrix}$$

answer142

$$\begin{bmatrix} 0.860241 & 1.486747 & 0.050602 & -0.872289 \\ -0.310843 & -0.503614 & -0.077108 & 0.353012 \\ 0.631325 & 1.077108 & -0.021687 & -0.697590 \\ 0.959036 & 1.453012 & -0.002410 & -0.910843 \end{bmatrix}$$

answer143

$$\begin{bmatrix} 1.277778 & -0.194444 & 0.555556 & -0.444444 \\ -0.759259 & -0.101852 & -0.351852 & 0.314815 \\ -0.981481 & 0.453704 & -0.296296 & 0.370370 \\ -0.740741 & 0.351852 & -0.148148 & 0.185185 \end{bmatrix}$$

answer144

$$\begin{bmatrix} 0.183908 & -0.011494 & 0.137931 & 0.045977 \\ 0.009270 & -0.034854 & -0.017241 & 0.058769 \\ -0.126808 & 0.116796 & -0.224138 & -0.063960 \\ 0.113089 & -0.025213 & 0.189655 & 0.116982 \end{bmatrix}$$

answer145

$$\begin{bmatrix} 0.114458 & -0.060241 & -0.210843 & -0.090361 \\ -0.006024 & 0.108434 & 0.379518 & 0.162651 \\ -0.103614 & -0.134940 & -0.072289 & -0.002410 \\ 0.195783 & -0.024096 & -0.334337 & -0.286145 \end{bmatrix}$$

answer146

$$\begin{bmatrix} -0.160943 & 0.050476 & -0.075714 & 0.018204 \\ 0.546132 & -0.328093 & -0.007861 & -0.118329 \\ 0.010343 & 0.043029 & -0.064543 & 0.081092 \\ -0.076127 & 0.003310 & -0.004965 & 0.083161 \end{bmatrix}$$

answer147

$$\begin{bmatrix} -0.005446 & 0.094680 & 0.098031 & -0.074990 \\ 0.054881 & -0.031001 & 0.012149 & -0.090490 \\ -0.049853 & 0.020528 & -0.102639 & 0.005865 \\ 0.028907 & 0.189778 & -0.020318 & 0.013406 \end{bmatrix}$$

answer148

$$\begin{bmatrix} 1.872659 & 0.398876 & -0.614232 & -0.372659 \\ 0.764045 & 0.106742 & -0.314607 & -0.264045 \\ 1.838951 & 0.342697 & -0.659176 & -0.338951 \\ -0.086142 & 0.078652 & -0.003745 & 0.086142 \end{bmatrix}$$

answer149

$$\begin{bmatrix} 0.019482 & 0.125083 & 0.025238 & -0.041178 \\ 0.011733 & -0.072393 & -0.007527 & -0.092982 \\ -0.025238 & 0.042506 & -0.078149 & -0.083020 \\ -0.133053 & 0.066194 & 0.123091 & 0.167589 \end{bmatrix}$$

answer150

$$\begin{bmatrix} 0.139847 & -0.044798 & -0.064839 & -0.073239 \\ -0.074713 & -0.069850 & 0.083112 & 0.007515 \\ 0.120690 & -0.029178 & -0.015915 & 0.041114 \\ -0.047893 & -0.076334 & -0.031536 & 0.016652 \end{bmatrix}$$

3 Matrix Determinant

answer1

80

answer2

-55

answer3

73

answer4

-46

answer5

2

answer6

-40

answer7

-83

answer8	−16
answer9	44
answer10	23
answer11	19
answer12	−2
answer13	−23
answer14	−13
answer15	62
answer16	7
answer17	−2
answer18	12
answer19	−23
answer20	−31
answer21	2
answer22	59
answer23	20
answer24	15
answer25	−20
	30

answer26	−18
answer27	65
answer28	12
answer29	−60
answer30	−79
answer31	25
answer32	17
answer33	−79
answer34	−6
answer35	82
answer36	−1
answer37	55
answer38	−23
answer39	11
answer40	−65
answer41	70
answer42	57
answer43	−2
	31

answer44	108
answer45	61
answer46	3
answer47	70
answer48	−46
answer49	19
answer50	−108
answer51	−323
answer52	−531
answer53	−109
answer54	−597
answer55	−329
answer56	−120
answer57	−180
answer58	−299
answer59	1080
answer60	312
answer61	−108

answer62	167
answer63	−54
answer64	103
answer65	11
answer66	362
answer67	257
answer68	−69
answer69	−216
answer70	−780
answer71	333
answer72	−738
answer73	−455
answer74	−117
answer75	−559
answer76	71
answer77	−169
answer78	−594
answer79	−208

answer80	−815
answer81	786
answer82	154
answer83	−142
answer84	59
answer85	−219
answer86	380
answer87	202
answer88	274
answer89	747
answer90	960
answer91	405
answer92	−297
answer93	4
answer94	365
answer95	−59
answer96	−816
answer97	1539

answer98	−842
answer99	318
answer100	784
answer101	−14202
answer102	1263
answer103	−1889
answer104	−13375
answer105	−4725
answer106	−4894
answer107	2960
answer108	−5843
answer109	−4956
answer110	563
answer111	2725
answer112	−5736
answer113	7154
answer114	5863
answer115	−2849

answer116	4047
answer117	−780
answer118	1318
answer119	−302
answer120	−864
answer121	−592
answer122	−1763
answer123	−313
answer124	2709
answer125	−7679
answer126	−4279
answer127	−815
answer128	213
answer129	1409
answer130	−2601
answer131	10770
answer132	−2800
answer133	−1141

answer134	2595
answer135	−1975
answer136	2241
answer137	3594
answer138	−1064
answer139	1934
answer140	6239
answer141	−1887
answer142	−5975
answer143	385
answer144	−96
answer145	−8974
answer146	−926
answer147	689
answer148	6509
answer149	3856
answer150	1715