

代幾 I 計算演習 [問題] (2008/06/05)

問. 次の三点を通る平面の式を求めなさい

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|------|---------------------------------------|------|--|
| Q.1 | (7, 2, 5), (0, -6, 7), (6, -4, 6) | Q.11 | (1, -3, 5), (-5, 7, 9), (8, -1, 6) |
| Q.2 | (8, 3, -2), (-2, 1, 4), (5, 0, 7) | Q.12 | (-2, -9, -2), (-2, -9, 2), (-4, -4, 0) |
| Q.3 | (-6, 6, -4), (-6, 6, -1), (-7, -3, 7) | Q.13 | (7, -5, 2), (4, 1, -2), (-7, 1, -3) |
| Q.4 | (8, -5, -9), (3, 2, -6), (3, 7, 4) | Q.14 | (0, 7, -6), (4, -9, -1), (-3, 2, 2) |
| Q.5 | (1, -5, 9), (0, -4, -1), (-3, 9, -4) | Q.15 | (1, -5, -9), (0, 6, -7), (3, 3, 2) |
| Q.6 | (-4, -5, 9), (2, -6, -2), (3, -4, -5) | Q.16 | (-7, 5, -8), (-7, 3, 9), (-4, 8, 6) |
| Q.7 | (5, 8, -1), (-9, 0, 2), (6, 5, 3) | Q.17 | (-4, 0, 1), (6, -4, 1), (4, 0, 4) |
| Q.8 | (8, 2, 6), (6, -1, 5), (-6, 8, 5) | Q.18 | (9, 4, 7), (8, -4, -6), (6, -9, 0) |
| Q.9 | (9, -2, -4), (-2, 8, 0), (-6, -8, -9) | Q.19 | (6, -7, -7), (-4, 0, -3), (-8, -8, -2) |
| Q.10 | (0, 7, 1), (-6, -4, -4), (-3, 5, -1) | Q.20 | (5, 7, -9), (-9, -7, 0), (-3, -4, 5) |

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A.1

$$4x + 5y + 34z = 208$$

A.2

$$3y + z = 7$$

A.3

$$9x - y = -60$$

A.4

$$11x + 10y - 5z = 83$$

A.5

$$127x + 27y - 10z = -98$$

A.6

$$25x + 7y + 13z = -18$$

A.7

$$23x - 59y - 50z = -307$$

A.8

$$3x + 4y - 18z = -76$$

A.9

$$26x + 115y - 216z = 868$$

A.10

$$4x + y - 7z = 0$$

A.11

$$x + 17y - 41z = -255$$

A.12

$$5x + 2y = -28$$

A.13

$$6x - 41y - 66z = 115$$

A.14

$$103x + 47y + 68z = -79$$

A.15

$$7x + y - 2z = 20$$

A.16

$$79x - 51y - 6z = -760$$

A.17

$$6x + 15y - 16z = -40$$

A.18

$$113x - 32y + 11z = 966$$

A.19

$$13x - 2y + 36z = -160$$

A.20

$$97x - 124y - 42z = -5$$