代幾 I 計算演習 [問題] (2007/06/14)

問. 次の点と直線の間の距離を求めなさい

Q.1

$(2, 2)$, $2x - 5y = 4$

Q.2

$(-3, 3)$, $4x + 4y = -1$

Q.3

$(5, 4)$, $4x + 3y = -5$

Q.4

$(-1, 1)$, $2x + 5y = 4$

Q.5

$(1, -5)$, $2x + 5y = -1$

Q.6

$(-3, -4)$, $3x + 4y = -2$

Q.7

$(3, 1)$, $2x - y = 2$

Q.8

$(4, 5)$, $3x - 5y = 5$

Q.9

$(0, -4)$, $5x + 4y = -2$

Q.10

$(-1, 1)$, $2x - 5y = 2$

Q.11

$(5, 1)$, $3x + 5y = 0$

Q.12

$(-4, -5)$, $2x - 3y = -5$

Q.13

$(-1, 3)$, $x - 4y = 5$

Q.14

$(-1, -5)$, $5x + 2y = -4$

Q.15

$(4, -3)$, $5x + 3y = -5$

Q.16

$(-2, 5)$, $3x - 3y = 1$

Q.17

$(2, 1)$, $5x - 5y = 2$

Q.18

$(3, 3)$, $2x + 5y = -1$

Q.19

$(4, -5)$, $x - y = 2$

Q.20

$(4, -1)$, $4x - 3y = 2$

代幾 I 計算演習 [解答] (2007/06/14)

A.1

$$\frac{10\sqrt{29}}{29}$$

A.2

$$\frac{\sqrt{2}}{8}$$

A.3

$$\frac{37}{5}$$

A.4

$$\frac{\sqrt{29}}{29}$$

A.5

$$\frac{22\sqrt{29}}{29}$$

A.6

$$\frac{23}{5}$$

A.7

$$\frac{3\sqrt{5}}{5}$$

A.8

$$\frac{9\sqrt{34}}{17}$$

A.9

$$\frac{14\sqrt{41}}{41}$$

A.10

$$\frac{9\sqrt{29}}{29}$$

A.11

$$\frac{10\sqrt{34}}{17}$$

A.12

$$\frac{12\sqrt{13}}{13}$$

A.13

$$\frac{18\sqrt{17}}{17}$$

A.14

$$\frac{11\sqrt{29}}{29}$$

A.15

$$\frac{8\sqrt{34}}{17}$$

A.16

$$\frac{11\sqrt{2}}{3}$$

A.17

$$\frac{3\sqrt{2}}{10}$$

A.18

$$\frac{22\sqrt{29}}{29}$$

A.19

$$\frac{7\sqrt{2}}{2}$$

A.20

$$\frac{17}{5}$$