1983 FG9.3

若兩直線 $2y + x + 3 = 0$ 及 $3y + cx + 2 = 0$ 互相垂直，求 c 的值。

If the lines $2y+x + 3 = 0$ and $3y+cx + 2 = 0$ are perpendicular, find the value of c.

1984 FSG.3

若兩直線 $x + 2y + 1 = 0$ 及 $cx + 3y + 1 = 0$ 互相垂直，求 c 的值。

If the lines $x + 2y + 1 = 0$ and $cx + 3y + 1 = 0$ are perpendicular, find the value of c .

1985 FI4.1

若兩線 $x + 2y + 3 = 0$ 及 $4x – ay + 5 = 0$ 互相垂直，求 a 的值。

If the lines $x + 2y + 3 = 0$ and $4x – ay + 5 = 0$ are perpendicular to each other,
find the value of a .

1986 FSG.2 1992 FI3.2

若直線 $2x + 2y + 1 = 0$ 及 $3x + by + 5 = 0$ 互相垂直，求 b 的值。

If the lines $2x + 2y + 1 = 0$ and $3x + by + 5 = 0$ are perpendicular, find the value of b .

1987 FG10.2

若直線 $3x – 2y + 1 = 0$ 及 $20x + By + 1 = 0$ 互相垂直，求 B 的值。

If the lines $3x – 2y + 1 = 0$ and $20x + By + 1 = 0$ are perpendicular,
find the value of B .

1988 FI2.4

A、B 及 C 依次為(2, 5)，(2, 3)及(4, b)。若 $AB \perp BC$，求 b 的值。

A, B and C are the points (2, 5), (2, 3) and (4, b) respectively.

If $AB \perp BC$, find the value of b .

1988 FG8.2

若直線 $x + 5y = 0$ 及 $Tx – 27y = 0$ 互相垂直，求 T 的值。

If the lines $x + 5y = 0$ and $Tx – 27y = 0$ are perpendicular to each other,

find the value of T .

1989 FI1.2

兩直線 $35x + by = 0$ 及 $x – 5y + 1 = 0$ 互相垂直。求 b 的值。

The lines $35x + by = 0$ and $x – 5y + 1 = 0$ are perpendicular to each other.

Find the value of b .

1990 FI5.2

若直線 $17x + by = 1$ 及 $10x – 34y = 3$ 互相垂直，求 b 的值。

If the lines $17x + by =1$ and $10x – 34y =3$ are perpendicular to each other,

find the value of b .

1991 FSI.4

若直線 $5x + 10y = 4$ 及 $dx – y = 5$ 互相垂直，求 d 的值。

If the lines $5x + 10y = 4$ and $dx – y = 5$ are perpendicular to each other,

find the value of d .

Answers

1983 FG9.3 –6	1984 FSG.3 -6	1985 FI4.1 1992 FI3.2 2	1986 FSG.2 –3	1987 FG10.2 30
1988 FI2.4 3	1988 FG8.2 135	1989 FI1.2 7	1990 FI5.2 5	1991 FSI.4 2