Rearranging Equations of Lines

Rearrange these equations into the form $y = mx + c$

(a) $y = 5 + 3x$ (b) $2x + y = 15$

(c) $y - 4x = 9$ (d) $x + y - 5 = 0$

(e) $2x - y = 3$ (f) $4x - 8 - y = 0$

Rearrange these equations into the form $y = mx + c$

(a) $2y = 6x + 10$ (b) $3y = 12 - 9x$

(c) $4x + 2y = 12$ (d) $2x + 3y - 7 = 0$

(e) $9x - 3y = 21$ (f) $2x - 5y - 8 = 0$

For each of these equations, rearrange into the form $y = mx + c$ and find the gradient and y-intercept.

(a) $y = 6 + 2x$ (b) $y = 1 - 3x$

(c) $x + y = 5$ (d) $3x + y = 7$

(e) $4x = y - 2$ (f) $2x - y = 3$

(g) $5x - y - 1 = 0$

(h) $0 = 12 - y - 3x$

For each of these equations, rearrange into the form $y = mx + c$ and find the gradient and y-intercept.

(a) $2y = 4x + 6$ (b) $3y = 12 - 6x$

(c) $8x + 2y = 20$ (d) $12x + 4y = 16$

(e) $2y = 3x + 7$ (f) $3x + 4y = 9$

(g) $3x - 6y - 12 = 0$

(h) $5 = 8x - 6y$

(i) $3x - 5y = 11$

(j) $5x + 4y + 8 = 0$

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