Solutions – Equation of a Line (A)

Equation of the line with slope 2 passing through (–6, –4).

$y = 2x + 8$

Equation of the line with slope –2 passing through (8, 7).

$y = -2x + 23$

Equation of the line passing through (0, –7) and (3, 8).

$y = 5x - 7$

Equation of the line passing through (–2, 9) and (2, –3).

$y = -3x + 3$

Equation of the line passing through (9, 55) and (4, 30).

$y = 5x + 10$

Equation of the line with slope 5 passing through (8, 5).

$y = 5x - 35$

Solutions – Equation of a Line (B)

Equation of the line with slope −1 passing through (−4, −6).

$y = -x - 10$

Equation of the line passing through (8, 21) and (−1, −6).

$y = 3x - 3$

Equation of the line with slope −2 passing through (−5, −4).

$y = -2x - 14$

Equation of the line passing through (−6, 39) and (8, −31).

$y = -5x + 9$

Equation of the line passing through (0, 0) and (−3, −12).

$y = 4x$

Equation of the line with slope −2 passing through (4, 3).

$y = -2x + 11$

Solutions – Equation of a Line (C)

Equation of the line passing through (2, 7) and (−1, −5).

$y = 4x - 1$

Equation of the line with slope −3 passing through (8, 1).

$y = -3x + 25$

Equation of the line passing through (−2, 10) and (5, −11).

$y = -3x + 4$

Equation of the line with slope −5 passing through (2, −9).

$y = -5x + 1$

Equation of the line passing through (−6, 27) and (0, 9).

$y = -3x + 9$

Equation of the line with slope −1 passing through (6, 0).

$y = -x + 6$

Solutions – Equation of a Line (D)

Equation of the line passing through (–3, –9) and (8, 24).

$y = 3x$

Equation of the line with slope 2 passing through (–9, –2).

$y = 2x + 16$

Equation of the line with slope –3 passing through (3, –7).

$y = -3x + 2$

Equation of the line passing through (3, –21) and (9, –51).

$y = -5x - 6$

Equation of the line passing through (0, –2) and (4, 14).

$y = 4x - 2$

Equation of the line with slope –2 passing through (–1, 2).

$y = -2x$

Solutions – Equation of a Line (E)

Equation of the line with slope 4 passing through (–3, 2).

$y = 4x + 14$

Equation of the line with slope –4 passing through (7, –9).

$y = -4x + 19$

Equation of the line passing through (8, 33) and (–9, –52).

$y = 5x - 7$

Equation of the line with slope –2 passing through (–6, –5).

$y = -2x - 17$

Equation of the line passing through (–3, 5) and (1, 9).

$y = x + 8$

Equation of the line passing through (7, –37) and (8, –41).

$y = -4x - 9$

Solutions – Equation of a Line (F)

Equation of the line with slope –3 passing through (0, –6).

$y = -3x - 6$

Equation of the line passing through (9, 41) and (4, 21).

$y = 4x + 5$

Equation of the line passing through (0, 2) and (6, 26).

$y = 4x + 2$

Equation of the line with slope 4 passing through (6, 0).

$y = 4x - 24$

Equation of the line with slope 5 passing through (–2, 2).

$y = 5x + 12$

Equation of the line passing through (–3, 18) and (2, –7).

$y = -5x + 3$

Solutions – Equation of a Line (G)

Equation of the line passing through (–3, –5) and (7, 25).

$y = 3x + 4$

Equation of the line with slope –2 passing through (4, 5).

$y = -2x + 13$

Equation of the line passing through (6, –21) and (2, –13).

$y = -2x - 9$

Equation of the line passing through (–4, 23) and (–8, 39).

$y = -4x + 7$

Equation of the line with slope –5 passing through (5, –3).

$y = -5x + 22$

Equation of the line with slope 4 passing through (4, 3).

$y = 4x - 13$

Solutions – Equation of a Line (H)

Equation of the line with slope –3 passing through (8, 5).

$y = -3x + 29$

Equation of the line passing through (–2, 4) and (0, 2).

$y = -x + 2$

Equation of the line passing through (7, –32) and (–1, 0).

$y = -4x - 4$

Equation of the line with slope –4 passing through (–5, –5).

$y = -4x - 25$

Equation of the line passing through (4, –30) and (–4, 10).

$y = -5x - 10$

Equation of the line with slope –3 passing through (9, –6).

$y = -3x + 21$

Solutions – Equation of a Line (I)

Equation of the line with slope −5 passing through (1, −6).

$y = -5x - 1$

Equation of the line passing through (−9, 15) and (−5, 11).

$y = -x + 6$

Equation of the line with slope −3 passing through (−9, 0).

$y = -3x - 27$

Equation of the line with slope −1 passing through (−5, 3).

$y = -x - 2$

Equation of the line passing through (0, −10) and (−1, −12).

$y = 2x - 10$

Equation of the line passing through (−9, 25) and (6, −20).

$y = -3x - 2$

Solutions – Equation of a Line (J)

Equation of the line passing through (6, –7) and (1, 3).

$y = -2x + 5$

Equation of the line with slope 1 passing through (1, 0).

$y = x - 1$

Equation of the line passing through (9, 27) and (–5, –29).

$y = 4x - 9$

Equation of the line passing through (–5, –12) and (8, 40).

$y = 4x + 8$

Equation of the line with slope –3 passing through (2, 3).

$y = -3x + 9$

Equation of the line with slope 5 passing through (5, –8).

$y = 5x - 33$