

Finding the equation of a line.

- (1) Find the slope intercept form of the line through $(0, 23)$ and $(-1, \frac{117}{5})$.
- (2) Find the slope intercept form of the line through $(-5, 3)$ which is perpendicular to the line with undefined slope which passes through $(0, -1)$.
- (3) Find the slope intercept form of the line through $(-3, 17)$ and with slope 1.
- (4) Find the slope intercept form of the line through $(-2, \frac{-33}{5})$ which is perpendicular to the line $y = -\frac{5}{-6}x + 5$.
- (5) Find the slope intercept form of the line through $(2, -18)$ which is parallel to the line $y = 0x + 10$.
- (6) Find the slope intercept form of the line through $(4, 14)$ and with slope 0.
- (7) Find the slope intercept form of the line through $(0, 2)$ and $(-1, \frac{1}{2})$.
- (8) Find the slope intercept form of the line through $(-5, 0)$ and $(0, 10)$.
- (9) Find the slope intercept form of the line through $(-2, -7)$ and with slope 0.
- (10) Find the slope intercept form of the line through $(3, -26)$ which is parallel to the line $y = -1x - 7$.
- (11) Find the slope intercept form of the line through $(1, 16)$ and $(3, 16)$.
- (12) Find the slope intercept form of the line through $(2, -12)$ which is perpendicular to the line $y = -\frac{1}{2}x - 17$.
- (13) Find the slope intercept form of the line through $(3, 9)$ and with slope 0.
- (14) Find the slope intercept form of the line through $(-5, 4)$ which is perpendicular to the line $y = -\frac{1}{-1}x + 16$.
- (15) Find the slope intercept form of the line through $(2, 20)$ which is perpendicular to the line $y = -2x + 1$.
- (16) Find the slope intercept form of the line through $(4, \frac{-55}{3})$ which is perpendicular to the line $y = -\frac{6}{-5}x - 5$.
- (17) Find the slope intercept form of the line through $(-1, \frac{-7}{3})$ which is parallel to the line $y = \frac{-5}{3}x - 8$.
- (18) Find the slope intercept form of the line through $(-3, \frac{-27}{4})$ and with slope $\frac{5}{4}$.
- (19) Find the slope intercept form of the line through $(-3, -14)$ which is perpendicular to the line $y = -\frac{1}{-1}x - 19$.
- (20) Find the slope intercept form of the line through $(-4, 24)$ which is perpendicular to the line $y = -\frac{2}{3}x + 12$.
- (21) Find the slope intercept form of the line through $(-2, \frac{12}{5})$ and with slope $\frac{-1}{5}$.
- (22) Find the slope intercept form of the line through $(-1, \frac{-9}{2})$ and with slope $\frac{5}{2}$.
- (23) Find the slope intercept form of the line through $(-4, \frac{99}{5})$ which is parallel to the line $y = \frac{-6}{5}x + 14$.
- (24) Find the slope intercept form of the line through $(4, 42)$ and $(0, 18)$.
- (25) Find the slope intercept form of the line through $(2, 17)$ and with slope -1 .
- (26) Find the slope intercept form of the line through $(4, 20)$ which is parallel to the line $y = 0x + 12$.
- (27) Find the slope intercept form of the line through $(1, \frac{26}{3})$ which is parallel to the line $y = \frac{2}{3}x + 13$.
- (28) Find the slope intercept form of the line through $(-1, \frac{-7}{4})$ which is parallel to the line $y = \frac{3}{4}x - 10$.
- (29) Find the slope intercept form of the line through $(-4, 18)$ which is parallel to the line $y = -3x + 4$.
- (30) Find the slope intercept form of the line through $(3, 6)$ and with slope -4 .
- (31) Find the slope intercept form of the line through $(-3, -26)$ which is parallel to the line $y = x + 0$.
- (32) Find the slope intercept form of the line through $(-2, -21)$ and with slope 0.
- (33) Find the slope intercept form of the line through $(-1, 24)$ and with slope -2 .
- (34) Find the slope intercept form of the line through $(-2, -2)$ and with slope $\frac{3}{2}$.

Finding the equation of a line—solutions.

- (1) $y = \frac{-2}{5}x + 23$.
(2) $y = 0x + 3$.
(3) $y = 1x + 20$.
(4) $y = \frac{-6}{5}x - 9$.
(5) $y = 0x - 18$.
(6) $y = 0x + 14$.
(7) $y = \frac{3}{2}x + 2$.
(8) $y = 2x + 10$.
(9) $y = 0x - 7$.
(10) $y = -1x - 23$.
(11) $y = 0x + 16$.
(12) $y = -2x - 8$.
(13) $y = 0x + 9$.
(14) $y = -1x - 1$.
(15) $y = \frac{1}{2}x + 19$.
(16) $y = \frac{-5}{6}x - 15$.
(17) $y = \frac{-5}{3}x - 4$.
(18) $y = \frac{5}{4}x - 3$.
(19) $y = -1x - 17$.
(20) $y = \frac{-3}{2}x + 18$.
(21) $y = \frac{-1}{5}x + 2$.
(22) $y = \frac{5}{2}x - 2$.
(23) $y = \frac{-6}{5}x + 15$.
(24) $y = 6x + 18$.
(25) $y = -1x + 19$.
(26) $y = 0x + 20$.
(27) $y = \frac{2}{3}x + 8$.
(28) $y = \frac{3}{4}x - 1$.
(29) $y = -3x + 6$.
(30) $y = -4x + 18$.
(31) $y = 1x - 23$.
(32) $y = 0x - 21$.
(33) $y = -2x + 22$.
(34) $y = \frac{3}{2}x + 1$.