In the equation y = 4x + 7, what is the y-intercept?



What is the gradient of the line y = -3x + 5?





A line passes through (0, 8) and (2, 12). What is its y-intercept?





A line passes through (1, 3) and (3, 9). What is its gradient?



What is the y-intercept of y = 2.5x - 4?





A line has equation 2y = 6x - 10. What is its gradient?



What is the gradient of the line passing through (0, 0) and (4, 8)?





In the equation 3x + 2y = 12, what is the y-intercept?



A line has gradient 5 and y-intercept -2. What is its equation?

$$y = -2x + 5$$
 $y = 5x - 2$
 $y = 2x + 5$ $y = -5x - 2$

© The Maths Vault 2025

What is the gradient of y = -x + 9?





A line passes through (0, -3) and (1, 1). What is its y-intercept?





What is the y-intercept of 5y = 10x + 15?



A line passes through (2, 8) and (4, 12). What is its gradient?





In the equation y = (1/2)x - 6, what is the gradient?



What is the y-intercept of the line x - 3y = 9?



© The Maths Vault 2025



A line has equation 4x + y = 10. What is its gradient?



What is the y-intercept of y = 7x?





A line passes through (-1, 4) and (0, 6). What is its gradient?



© The Maths Vault 2025



In y = -0.5x + 2.5, what is the gradient?



What is the y-intercept of the line passing through (3, 11) with gradient 2?

