

Write the equation of a straight line if parallel to a line and passing through any point



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1. Find the equation of the straight lines for each of these.

a) Parallel to $y = 3x + 2$ and passes through $(3, 2)$

b) Parallel to $y = x - 2$ and passes through $(1, 4)$

c) Parallel to $y = -2x + 2.5$ and passes through $(-2, 0)$

d) Parallel to $y = -3x + 4$ and passes through $(-10, -2)$

e) Parallel to $y = -\frac{1}{4}x - 5$ and passes through $(12, -2)$

2. Find the equation of the straight lines for each of these.

a) Parallel to $y - 2x = 3$ and passes through $(2, 5)$

b) Parallel to $y - x = -2$ and passes through $(-2, 4)$

c) Parallel to $2y + 3x = -4$ and passes through $(2, -2)$

d) Parallel to $2y = 4x - 3$ and passes through $(1, -4)$

e) Parallel to $2y + x = -2$ and passes through $(-2, 0)$



Answers



Write the equation of a straight line if parallel to a line and passing through any point

1. Find the equation of the straight lines for each of these.

a) Parallel to $y = 3x + 2$ and passes through $(3, 2)$ $y = 3x - 7$

b) Parallel to $y = x - 2$ and passes through $(1, 4)$ $y = x + 3$

c) Parallel to $y = -2x + 2.5$ and passes through $(-2, 0)$ $y = -2x - 4$

d) Parallel to $y = -3x + 4$ and passes through $(-10, -2)$ $y = -3x - 32$

e) Parallel to $y = -\frac{1}{4}x - 5$ and passes through $(12, -2)$ $y = -\frac{1}{4}x + 1$

2. Find the equation of the straight lines for each of these.

a) Parallel to $y - 2x = 3$ and passes through $(2, 5)$ $y = 2x + 1$

b) Parallel to $y - x = -2$ and passes through $(-2, 4)$ $y = x + 6$

c) Parallel to $2y + 3x = -4$ and passes through $(2, -2)$ $y = -\frac{3}{2}x + 1$

d) Parallel to $2y = 4x - 3$ and passes through $(1, -4)$ $y = 2x - 6$

e) Parallel to $2y + x = -4$ and passes through $(-2, 0)$ $y = -\frac{1}{2}x - 1$

