

Find the equation of the line containing the following sets of points:

(1) $(3, 2)$ and $(-5, 1)$

(2) $(-3, 2)$ and $(-3, 8)$

(3) $(4, 4)$ and $(-8, -8)$

(4) $(3, 6)$ and $(-4, 9)$

(5) $(-8, 2)$ and $(9, 2)$

(6) $5x + 2y = 6$ Is the Point on the Line?

$(3, -6)$ $(0, 3)$ $(2, -2)$

(7) $y = 4$

$(4, 1)$ $(3, 3)$ $(1, 4)$

(8) $y = \frac{2}{3}x - \frac{4}{3}$

$(3, 2)$ $(6, 1)$ $(5, -2)$ $(-1, -2)$

(9)

$-3x + 4y = -1$

$(1, 1)$ $(2, 1)$

$(-1, -1)$ + Find 1 that works

Find the equation of the line:

(10) parallel to $y = -\frac{3}{4}x + 5$
through $(-2, 1)$

(11) perpendicular to $y = -\frac{7}{3}x - 4$
through $(3, 2)$

(12) parallel to $x = 6$
through $(-1, b)$