**Equations of Parallel Lines**

Decide whether each of these pairs of straight lines is parallel or not parallel:

(a) $y=2x+7$ and $y=2x-5$

(b) $y=3x+4$ and $y=5x+4$

(c) $y=5x-3$ and $y=5x$

(d) $y=-4x+1$ and $y=4x+2$

(e) $y=\frac{1}{2}x-8 $and $y=9+\frac{1}{2}x$

(f) $y=-5+2x$ and $y=5-2x$

(a) Write down the equation of the straight line that is parallel to $y=4x-1$ and passes through $(0, 5)$

(b) Write down the equation of the straight line that is parallel to $y=-2x+7$ and passes through $(0, 3)$

(c) Write down the equation of the straight line that is parallel to $y=\frac{3}{4}x-2$ and passes through $(0, -8)$

(d) Write down the equation of the straight line that is parallel to $y=\frac{7}{2}x+\frac{1}{2}$ and passes through the origin

(a) Write down the equation of the straight line that is parallel to $y=1-3x$ and passes through $(0, -2)$

(b) Write down the equation of the straight line that is parallel to $y-4x=1$ and passes through $(0, -\frac{5}{2})$

(c) Write down the equation of the straight line that is parallel to $3x+y-5=0 $and passes through $(0, 1)$

Match the pairs of parallel lines:

$y=-7x+3$ $y+3x=7 $

$7+3x=y$ $7x+y+3=0$

$7y=7-21x$ $y=3x$

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