

Name : _____

Score : _____

Teacher : _____

Date : _____

Parallel Lines

Find the equation of a line passing through the given point and parallel to the given equation.

Write your answer in slope-intercept form.

1) $(-3, 3)$ and $5x + 2y = -8$ Answer: _____	5) $(0, -5)$ and $-2x + 5y = 10$ Answer: _____
2) $(4, -5)$ and $x + 3y = 3$ Answer: _____	6) $(0, -4)$ and $-3x + 2y = 6$ Answer: _____
3) $(-5, -3)$ and $y = -x + 4$ Answer: _____	7) $(3, -3)$ and $y = -\frac{5}{2}x - 1$ Answer: _____
4) $(-1, 2)$ and $y = -x + 3$ Answer: _____	8) $(4, -2)$ and $y = -2x + 2$ Answer: _____

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Find the equation of a line passing through the given point and parallel to the given equation.

Write your answer in slope-intercept form.

1) $(-3, 3)$ and $5x + 2y = -8$ Answer: $y = -\frac{5}{2}x - \frac{9}{2}$	5) $(0, -5)$ and $-2x + 5y = 10$ Answer: $y = \frac{2}{5}x - 5$
2) $(4, -5)$ and $x + 3y = 3$ Answer: $y = -\frac{1}{3}x - \frac{11}{3}$	6) $(0, -4)$ and $-3x + 2y = 6$ Answer: $y = \frac{3}{2}x - 4$
3) $(-5, -3)$ and $y = -x + 4$ Answer: $y = -x - 8$	7) $(3, -3)$ and $y = -\frac{5}{2}x - 1$ Answer: $y = -\frac{5}{2}x + \frac{9}{2}$
4) $(-1, 2)$ and $y = -x + 3$ Answer: $y = -x + 1$	8) $(4, -2)$ and $y = -2x + 2$ Answer: $y = -2x + 6$