

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) $(1, 5)$ and $y = -\frac{5}{2}x - 1$  Answer: _____	5) $(-3, -3)$ and $-4x + 3y = -6$  Answer: _____
2) $(-2, 4)$ and $5x + 2y = -8$  Answer: _____	6) $(-3, 5)$ and $x + y = -1$  Answer: _____
3) $(-1, -3)$ and $y = \frac{1}{3}x + 3$  Answer: _____	7) $(4, 2)$ and $-5x + 2y = 6$  Answer: _____
4) $(2, 1)$ and $y = 2x - 4$  Answer: _____	8) $(3, -2)$ and $y = \frac{1}{2}x - 1$  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) ( 1 , 5 ) and $y = -\frac{5}{2}x - 1$  Answer: $y = -\frac{5}{2}x + \frac{15}{2}$	5) ( -3 , -3 ) and $-4x + 3y = -6$  Answer: $y = \frac{4}{3}x + 1$
2) ( -2 , 4 ) and $5x + 2y = -8$  Answer: $y = -\frac{5}{2}x - 1$	6) ( -3 , 5 ) and $x + y = -1$  Answer: $y = -x + 2$
3) ( -1 , -3 ) and $y = \frac{1}{3}x + 3$  Answer: $y = \frac{1}{3}x - \frac{8}{3}$	7) ( 4 , 2 ) and $-5x + 2y = 6$  Answer: $y = \frac{5}{2}x - 8$
4) ( 2 , 1 ) and $y = 2x - 4$  Answer: $y = 2x - 3$	8) ( 3 , -2 ) and $y = \frac{1}{2}x - 1$  Answer: $y = \frac{1}{2}x - \frac{7}{2}$

