

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Point - Slope Worksheet**

Find equation of straight line passing through the given point and slope:

$(3, -5)$  and  $m = \frac{2}{3}$

Answer:

$(2, 3)$  and  $m = -\frac{1}{2}$

Answer:

$(-4, 0)$  and  $m = -\frac{4}{5}$

Answer:

$(3, 3)$  and  $m = \frac{2}{7}$

Answer:

$(0, 4)$  and  $m = \frac{1}{6}$

Answer:

$(-6, -2)$  and  $m = -\frac{3}{4}$

Answer:

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### Answers

$(3, -5)$ and $m = \frac{2}{3}$	$(2, 3)$ and $m = -\frac{1}{2}$
Answer: $2x - 3y - 21 = 0$	Answer: $x + 2y - 8 = 0$
$(-4, 0)$ and $m = -\frac{4}{5}$	$(3, 3)$ and $m = \frac{2}{7}$
Answer: $4x + 5y + 16 = 0$	Answer: $2x - 7y + 15 = 0$
$(0, 4)$ and $m = \frac{1}{6}$	$(-6, -2)$ and $m = -\frac{3}{4}$
Answer: $x - 6y + 24 = 0$	Answer: $3x + 4y + 26 = 0$