

<b><u>1</u></b>	<b><u>2</u></b>	<b><u>3</u></b>	<b><u>4</u></b>	<b><u>5</u></b>
<b><u>6</u></b>	<b><u>7</u></b>	<b><u>8</u></b>	<b><u>9</u></b>	<b><u>10</u></b>
<b><u>11</u></b>	<b><u>12</u></b>	<b><u>13</u></b>	<b><u>14</u></b>	<b><u>15</u></b>
	<b><u>16</u></b>	<b><u>17</u></b>	<b><u>18</u></b>	

What is the slope-intercept equation that passes through  $(-4, 2)$  and has a slope of  $-3$



What is the slope-intercept equation of the line that passes through  $(3, -5)$  and has a slope of  $\frac{2}{3}$ .



What is the **slope** of the line that passes through  $(1, 4)$  and  $(3, 10)$ ?



What is the slope-intercept equation for the line that passes through  $(2, -3)$  and is **parallel** to  $y = 4x - 9$ ?



Write an equation in slope-intercept form for the line that passes through  $(-3, 6)$  and is **perpendicular** to  $y = -\frac{1}{4}x - 6$



Rewrite the following equation in slope-intercept form:  $y - 2 = 3(x - 5)$



Rewrite the following equation in slope-intercept form:  $4x + 5y = 35$



Write the equation of a line with a slope of  $-2$  and a  $y$ -intercept of  $-9$ .



Write the equation of a line with the slope of  $(-5/8)$  and a  $y$ -intercept of  $-2$



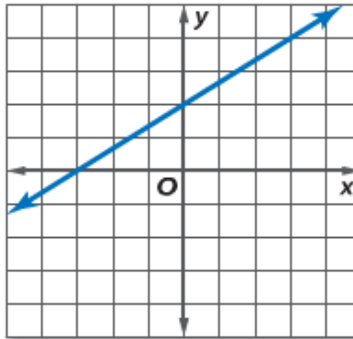
What is the slope of a line that is **perpendicular** to  $y = -3x + 1$ ?



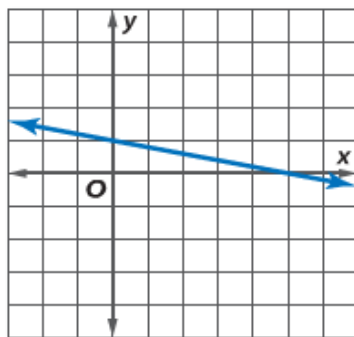
What is the slope of a line which is **parallel** to  $y = -x + 4$ ?



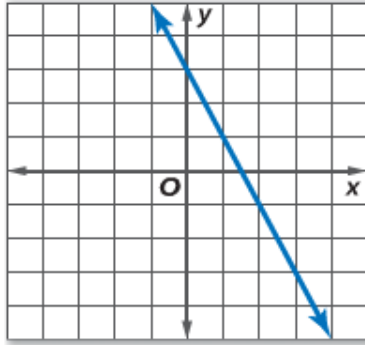
What is the slope-intercept equation of the following graph?



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What is the slope-intercept equation of the following graph?



Tuition at Chicago State University costs \$157 per credit hour, with fees at a one-time cost of \$218. Write a slope-intercept equation which represents this situation.





In 1991, 1,267 manatees inhabited Florida's waters. The manatee population has increased at a rate of 123 manatees per year. Write a slope-intercept equation representing this situation.



The temperature dropped rapidly overnight. Starting at 80 degrees, the temperature dropped 3 degrees per minute. Write a slope-intercept equation representing this situation.



A teen magazine began with a circulation of 500,000 in its first year. Since then, the circulation has increased an average of 33,388 per year. Write a slope-intercept equation representing this situation.

