

Writing Equations of Parallel and Perpendicular Lines

Name :

Class :

Parallel to $y = -5x + 2$ and passes
through point $(1, -4)$

$$x_1 = \boxed{} \quad y_1 = \boxed{} \quad m_1 = \boxed{}$$

$$y = mx + b$$

$$y = mx + b$$

$$y = \boxed{}$$

(write the answer without spacing)

Parallel to $y = -x - 5$ and passes
through point $(1, -3)$

$$x_1 = \boxed{} \quad y_1 = \boxed{} \quad m_1 = \boxed{}$$

$$y = mx + b$$

$$y = mx + b$$

$$y = \boxed{}$$

(write the answer without spacing)

Perpendicular to $y = \frac{1}{3}x + 3$ and passes
through point $(2, -4)$

$$x_1 = \boxed{} \quad y_1 = \boxed{} \quad m_1 = \boxed{}$$

$$y = mx + b$$

$$y = mx + b$$

$$y = \boxed{}$$

(write the answer without spacing)

Perpendicular to $y = -\frac{1}{2}x$ and passes
through point $(4, 3)$

$$x_1 = \boxed{} \quad y_1 = \boxed{} \quad m_1 = \boxed{}$$

$$y = mx + b$$

$$y = mx + b$$

$$y = \boxed{}$$

(write the answer without spacing)

Writing Equations of Parallel and Perpendicular Lines

<p>Parallel to $y = \frac{3}{4}x - 3$ and passes through point $(-4, -5)$</p> <p>$x_1 =$<input style="width: 50px;" type="text"/> $y_1 =$<input style="width: 50px;" type="text"/> $m_1 =$<input style="width: 50px;" type="text"/></p> <p style="text-align: center;">$y = mx + b$</p> <div style="border: 1px solid black; height: 120px; margin: 10px 0;"></div> <hr style="border-top: 1px dashed black;"/> <p style="text-align: center;">$y = mx + b$</p> <p>$y =$<input style="width: 150px;" type="text"/> (write the answer without spacing)</p>	<p>Parallel to $y = -\frac{1}{5}x - 2$ and passes through point $(5,3)$</p> <p>$x_1 =$<input style="width: 50px;" type="text"/> $y_1 =$<input style="width: 50px;" type="text"/> $m_1 =$<input style="width: 50px;" type="text"/></p> <p style="text-align: center;">$y = mx + b$</p> <div style="border: 1px solid black; height: 120px; margin: 10px 0;"></div> <hr style="border-top: 1px dashed black;"/> <p style="text-align: center;">$y = mx + b$</p> <p>$y =$<input style="width: 150px;" type="text"/> (write the answer without spacing)</p>
<p>Perpendicular to $y = 5x - 3$ and passes through point $(-5,5)$</p> <p>$x_1 =$<input style="width: 50px;" type="text"/> $y_1 =$<input style="width: 50px;" type="text"/> $m_1 =$<input style="width: 50px;" type="text"/></p> <p style="text-align: center;">$y = mx + b$</p> <div style="border: 1px solid black; height: 120px; margin: 10px 0;"></div> <hr style="border-top: 1px dashed black;"/> <p style="text-align: center;">$y = mx + b$</p> <p>$y =$<input style="width: 150px;" type="text"/> (write the answer without spacing)</p>	<p>Perpendicular to $y = 2x - 5$ and passes through point $(6,7)$</p> <p>$x_1 =$<input style="width: 50px;" type="text"/> $y_1 =$<input style="width: 50px;" type="text"/> $m_1 =$<input style="width: 50px;" type="text"/></p> <p style="text-align: center;">$y = mx + b$</p> <div style="border: 1px solid black; height: 120px; margin: 10px 0;"></div> <hr style="border-top: 1px dashed black;"/> <p style="text-align: center;">$y = mx + b$</p> <p>$y =$<input style="width: 150px;" type="text"/> (write the answer without spacing)</p>