

Name:

**Section 3.2 – Writing Equations of Lines**

Write the equation of a line, in General Form, that meets the following criteria.

<p>Perpendicular to the line <math>2x - 6y = 12</math> and going through the point <math>(3, -2)</math></p>	<p>Parallel to the line <math>3x - 4y = 15</math> and going through the point <math>(-3, 7)</math></p>
<p>Parallel to the line going through <math>(2, 3)</math> and <math>(3, -6)</math> and the same <math>y - intercept</math> as the line <math>3x - 5y = 15</math>.</p>	<p>Perpendicular to the line going through <math>(-2, 5)</math> and <math>(5, -8)</math> and the same <math>x - intercept</math> as the line <math>3x - 5y = 15</math>.</p>