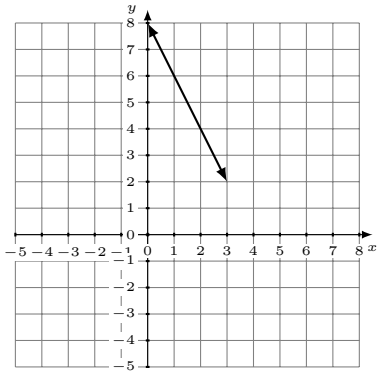
Feb 18 CW: Write the equation of a line that is parallel or perpendicular to a given line

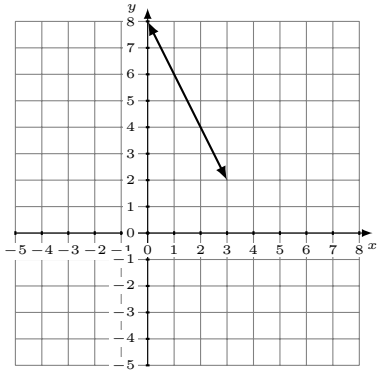
Answer the questions in the spaces provided on the question sheets. Be sure to **show your work to earn full credit.** You **MAY** use a calculator to help you. If you run out of room for an answer, raise your hand to ask for an extra piece of paper.

Name and period: _____

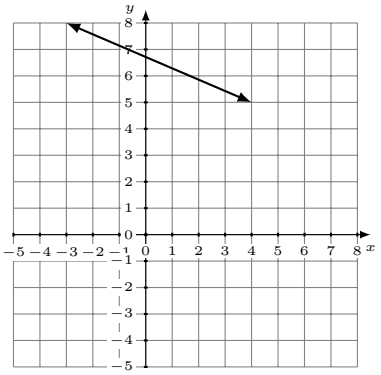
1) Write an equation of the line parallel to the given line through the point $(0, 5)$.



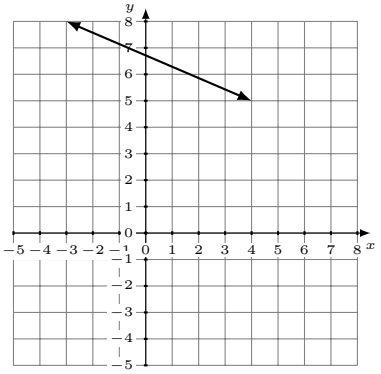
2) Write an equation of the line perpendicular to the given line through the point $(0, 5)$.



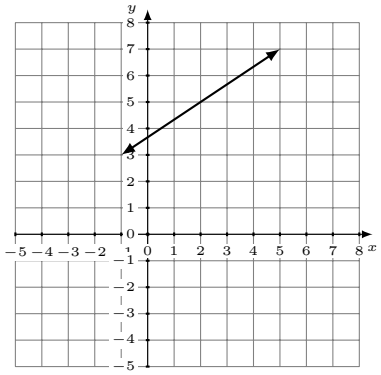
3) Write an equation of the line parallel to the given line through the point $(1, 5)$.



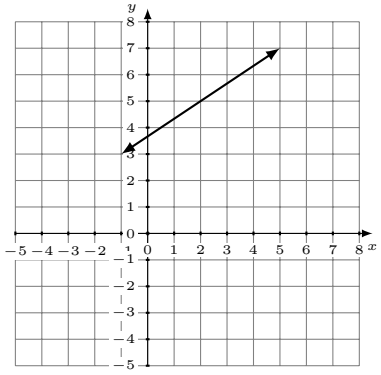
4) Write an equation of the line perpendicular to the given line through the point $(1, 5)$.



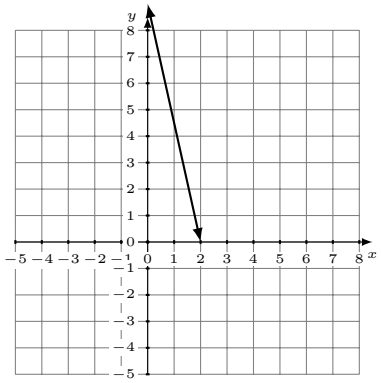
5) Write an equation of the line parallel to the given line through the point $(3, -4)$



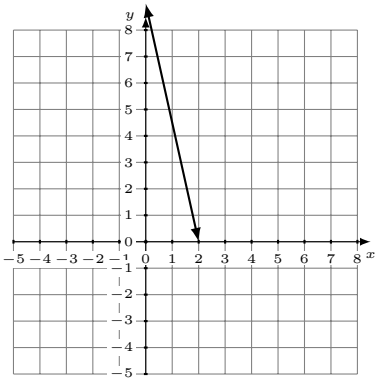
6) Write an equation of the line perpendicular to the given line through the point $(3, -4)$



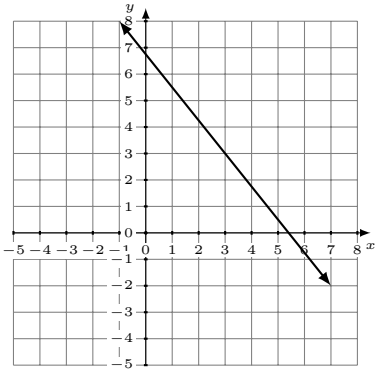
7) Write an equation of the line parallel to the given line through the point $(0, 5)$



8) Write an equation of the line perpendicular to the given line through the point $(0, 5)$



9) Write an equation of the line parallel to the given line through the point $(0, 2)$.



10) Write an equation of the line perpendicular to the given line through the point $(0, 2)$.