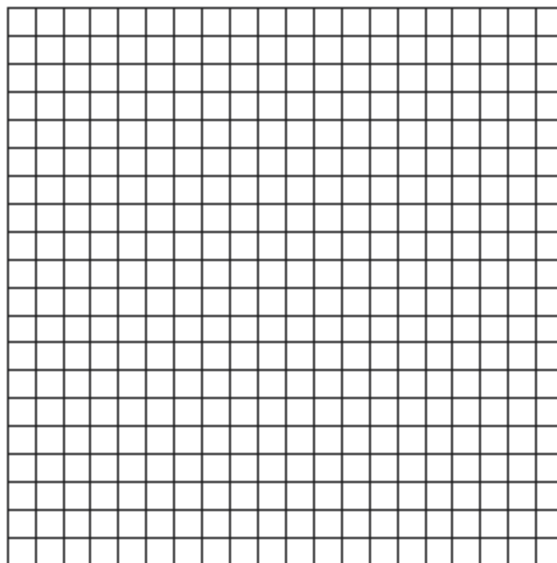


NAME: _____

1. 080909ge, P.I. G.G.63
 What is the equation of a line that is parallel to the line whose equation is $y = x + 2$?
 [A] $y - 2x = 3$ [B] $y - x = -1$
 [C] $x + y = 5$ [D] $2x + y = -2$
2. fall0828ge, P.I. G.G.62
 What is the slope of a line perpendicular to the line whose equation is $5x + 3y = 8$?
 [A] $-\frac{3}{5}$ [B] $\frac{5}{3}$ [C] $\frac{3}{5}$ [D] $-\frac{5}{3}$
3. 080917ge, P.I. G.G.62
 What is the slope of a line perpendicular to the line whose equation is $y = -\frac{2}{3}x - 5$?
 [A] $-\frac{3}{2}$ [B] $\frac{2}{3}$ [C] $-\frac{2}{3}$ [D] $\frac{3}{2}$
4. 060926ge, P.I. G.G.63
 Which equation represents a line perpendicular to the line whose equation is $2x + 3y = 12$?
 [A] $6y = -4x + 12$ [B] $2y = -3x + 6$
 [C] $2y = 3x + 6$ [D] $3y = -2x + 12$
5. fall0812ge, P.I. G.G.65
 What is the equation of a line that passes through the point $(-3, -11)$ and is parallel to the line whose equation is $2x - y = 4$?
 [A] $y = 2x + 5$ [B] $y = -\frac{1}{2}x - \frac{25}{2}$
 [C] $y = \frac{1}{2}x + \frac{25}{2}$ [D] $y = 2x - 5$
6. 080931ge, P.I. G.G.65
 Write an equation of the line that passes through the point $(6, -5)$ and is parallel to the line whose equation is $2x - 3y = 11$.
7. 060931ge, P.I. G.G.65
 Find an equation of the line passing through the point $(5, 4)$ and parallel to the line whose equation is $2x + y = 3$.
8. 060907ge, P.I. G.G.64
 What is an equation of the line that passes through the point $(-2, 5)$ and is perpendicular to the line whose equation is $y = \frac{1}{2}x + 5$?
 [A] $y = -2x + 1$ [B] $y = -2x - 9$
 [C] $y = 2x + 9$ [D] $y = 2x + 1$
9. fall0822ge, P.I. G.G.63
 The lines $3y + 1 = 6x + 4$ and $2y + 1 = x - 9$ are
 [A] parallel [B] the same line
 [C] neither parallel nor perpendicular
 [D] perpendicular
10. 080935ge, P.I. G.G.68
 Write an equation of the perpendicular bisector of the line segment whose endpoints are $(-1, 1)$ and $(7, -5)$. [The use of the grid below is optional]



[1] B _____

[2] C _____

[3] D _____

[4] C _____

[5] D _____

[2] $y + 5 = \frac{2}{3}(x - 6)$ or an equivalent linear equation, and appropriate work is shown.

[1] Appropriate work is shown, but one computational error is made.

or [1] Appropriate work is shown, but one conceptual error is made.

or [1] $y + 5 = \frac{2}{3}(x - 6)$ or an equivalent linear equation, but no work is shown.

[0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously incorrect procedure.

[6] _____

[2] $y - 4 = -2(x - 5)$ or an equivalent equation, and appropriate work is shown.

[1] Appropriate work is shown, but one computational error is made.

or [1] Appropriate work is shown, but one conceptual error is made, such as leaving the

answer as $\frac{y-4}{x-5} = \frac{-2}{1}$, which has a domain restriction.

or [1] $y - 4 = -2(x - 5)$ or an equivalent equation, but no work is shown.

[0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously

[7] incorrect procedure.

[8] A _____

[9] C _____

[4] $y + 2 = \frac{4}{3}(x - 3)$ or an equivalent linear

equation, and appropriate work is shown.

[3] Appropriate work is shown, but one computational or graphing error is made.
 or [3] The correct slope and midpoint of the segment and the slope of the perpendicular bisector are found, but no equation or an incorrect equation is written.

[2] Appropriate work is shown, but two or more computational or graphing errors are made.

or [2] Appropriate work is shown, but one conceptual error is made.

or [2] Appropriate work is shown to find the correct slope and midpoint of the segment, but no further correct work is shown.

or [2] Appropriate work is shown to find the slope of the original segment and the slope of the perpendicular bisector, but no further correct work is shown.

[1] Appropriate work is shown, but one conceptual error and one computational or graphing error are made.

or [1] Appropriate work is shown to find the correct slope or midpoint of the segment, but no further correct work is shown.

or [1] $y + 2 = \frac{4}{3}(x - 3)$ or an equivalent linear equation, but no work is shown.

[0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously incorrect procedure.

[10] _____