

Math C

Unit 2 Quiz (practice test)

- Determine the slope of a line that contains two ordered pairs.
 $(-9, -10)$ $(12, 4)$
 - $y = -2x + 28$
 - $y = -2x - 8$
 - $y = \frac{1}{2}x - 2$
 - $y = \frac{2}{3}x - 4$
- Rewrite the linear equation below into slope-intercept form.
 $2x - 4y = 20$
 - $y = -\frac{1}{2}x - 5$
 - $y = -\frac{1}{2}x + 5$
 - $y = \frac{1}{2}x - 5$
 - $y = \frac{1}{2}x + 5$
- Write the equation of the line that has the given slope and contains the given point.
 $m = -6$ $(3, -3)$
 - $y = -6x - 15$
 - $y = -6x - 3$
 - $y = -6x + 15$
 - $y = -6x + 3$
- Write the equation of the line that contains the two given points.
 $(-8, -13)$ $(6, -6)$
 - $y = \frac{1}{2}x + 9$
 - $y = \frac{1}{2}x - 9$
 - $y = 2x + 3$
 - $y = 2x - 18$
- Simplify the following expression.
 $\sqrt{40}$
 - $2\sqrt{10}$
 - $10\sqrt{2}$
 - $5\sqrt{8}$
 - $8\sqrt{5}$
- Simplify the following expression.
 $\sqrt{80}$
 - $4\sqrt{5}$
 - $5\sqrt{4}$
 - $2\sqrt{5}$
 - $5\sqrt{2}$
- Determine the graphical transformation of a function, $g(x)$, from its mother function, $f(x)$.
 $g(x) = 2 \cdot f(x)$
 - vertical shift
 - horizontal shift
 - horizontal stretch
 - vertical stretch
- Rewrite the given inequality in slope-intercept form.
 $3x - y \leq 12$
 - $y \geq -3x + 12$
 - $y \geq 3x - 12$
 - $y \leq -3x - 12$
 - $y \leq 3x - 12$
- Rewrite the given inequality in slope-intercept form.
 $12x + 4y > 32$
 - $y < -3x + 8$
 - $y < 3x - 8$
 - $y > 3x - 8$
 - $y > -3x + 8$
- Determine the range of the given function in the given domain.
 $f(x) = 4x - 11$ Domain: $[-3, 8]$
 - $[-23, 21]$
 - $[-12, 32]$
 - $[-14, -3]$
 - $[33, 43]$