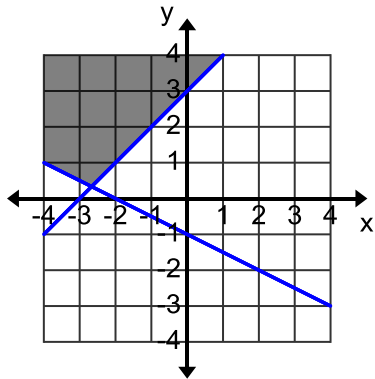


Trig Review Quiz 0-4 A

- _____ 1. What is the domain of $f(x) = \sqrt{x-1}$
 A. $\mathbb{R} : x \neq 1$ B. $\mathbb{R} : x > 1$ C. $\mathbb{R} : x \geq 1$ D. $\mathbb{R} : x \leq 1$
- _____ 2. $x+2 \sqrt{4x^2+15x+14}$
 A. $4x$ B. $4x+7$ C. $4x + \frac{4}{x+2}$ D. $4x+6 + \frac{4}{x+2}$
- _____ 3. Simplify $(n+5)^2$
 A. n^2+25 B. n^2+10 C. $n^2+10n+25$ D. $n^2+10n+10$
- _____ 4. Simplify $\left(\frac{n^2y^{-2}}{a^{-4}}\right)^2$
 A. $\frac{n^4y^4}{a^{16}}$ B. $\frac{n^4y^4}{a^8}$ C. $\frac{n^4a^{16}}{y^4}$ D. $\frac{n^4a^8}{y^4}$
- _____ 5. In interval notation, what is $y > 2$?
 A. $(-\infty, 2)$ B. $(-\infty, 2]$ C. $(2, \infty)$ D. $[2, \infty)$



- _____ 6. In the graph above, what system of inequalities is graphed?
 A. $\begin{cases} y \geq x+3 \\ y \geq -\frac{1}{2}x-1 \end{cases}$ B. $\begin{cases} y \leq x+3 \\ y \leq \frac{1}{2}x-1 \end{cases}$ C. $\begin{cases} y \leq x+3 \\ y \geq -\frac{1}{2}x-1 \end{cases}$ D. $\begin{cases} y \geq x+3 \\ y \geq \frac{1}{2}x-1 \end{cases}$
- _____ 7. If A is a 4 x 5 matrix, B a 4 x 3 matrix, and C a 3 x 5 matrix, what matrices could be multiplied?
 A. A and B B. A and C C. B and C D. All of them could be
- _____ 8. Which is the equation that is parallel to $y = 5x - 2$ and goes through (1, 1)?
 A. $5x - y = 4$ B. $5x - 2y = 3$ C. $5x + y = 6$ D. $-5x - y = -6$

_____ 9. Factor $3n^3 + 15n^2 + 2n + 10$

_____ 10. Factor $x^2 - 36$