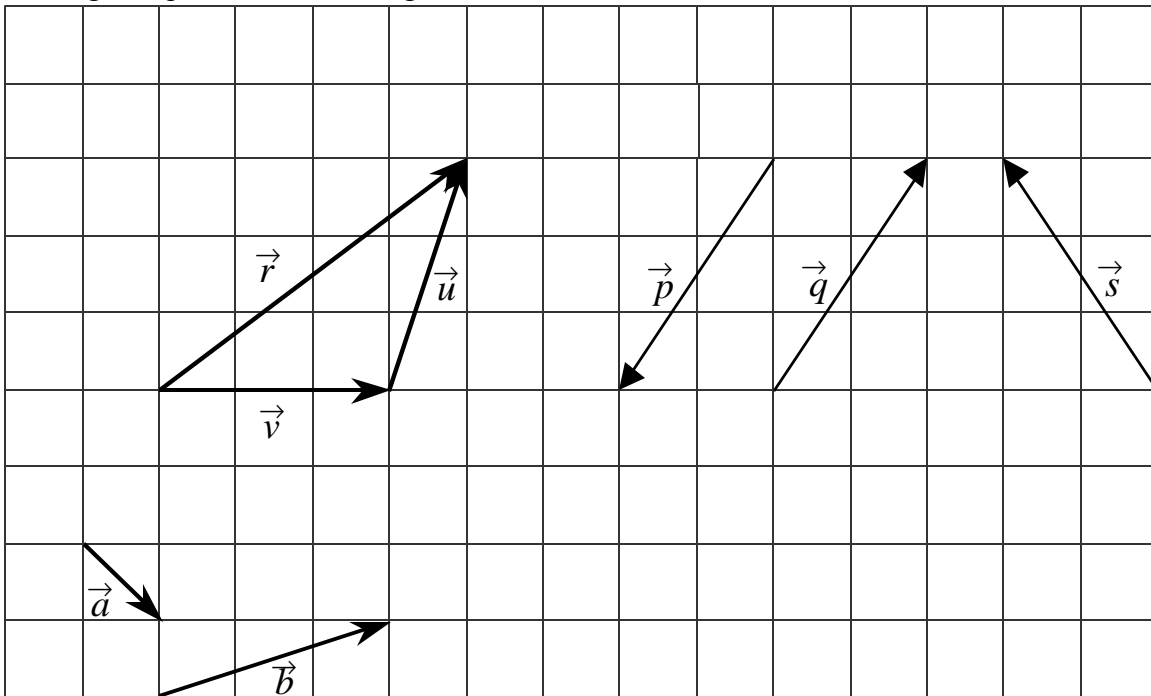


8. If $f(x) = \frac{x-2}{3}$, then find $f^{-1}(x)$. Select one. You need not show any work for credit.

- A. $f^{-1}(x) = \frac{3}{x-2}$
- B. $f^{-1}(x) = 3x + 2$
- C. $f^{-1}(x) = 3(x + 2)$
- D. $f^{-1}(x) = \frac{3}{x+2}$
- E. $f^{-1}(x) = \frac{x}{3} + 2$

9. Each grid square is 1 unit along each side.



- a. Which vector is the same as $\vec{u} + \vec{v}$? (Select one) A. \vec{r} B. \vec{p} C. \vec{q} D. \vec{s}
- b. Which vector is the same as $\vec{u} - \vec{v}$? (Select one) A. \vec{r} B. \vec{p} C. \vec{q} D. \vec{s}
- c. Which two vectors shown above are opposites?
- d. Sketch and label the vector $\vec{w} = 2\vec{a} + \vec{b}$ on the grid.
- e. Report the length of the vector \vec{s} to three decimal places: $\|\vec{s}\| = \underline{\hspace{2cm}}$
- f. What angle does the vector \vec{s} make with the positive x -axis?
Report to the nearest 0.1 degree. $\underline{\hspace{2cm}}$