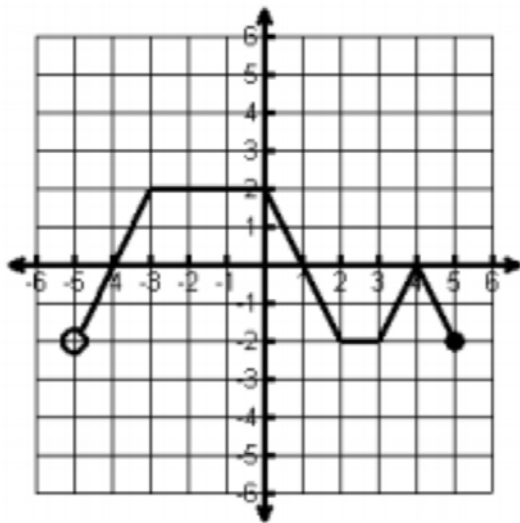


Flashback #1

1. Simplify $\left(\frac{2x^3}{5x^{-1}}\right)^{-2}$
2. If a plane travels for 80 km on a bearing of 310, how far North did the plane travel?
3. Solve: $\sin A = 0.135$
4. What is the angle of elevation of the sun when a 2 m person casts an 80 cm shadow?
5. A square has a perimeter of $(8x - 12)$, write an expression for its area?
6. Factor: $9x^2 + 12y$ $x^2 + 10x + 16$ $x^2 - 7x - 30$ $4x^2 - 25$
7. Determine the equation for the following pattern: 2, 9, 16, ...
8. Given that $f(x) = 3x^2 - 2x$, find $f(2)$ and $f(-3)$
9. Give the domain and range for the following relation. Is this a function? Explain how you know.



10. Determine the slope between $(-7, 3)$ and $(12, 9)$. Is this line increasing or decreasing? Steep or shallow? Explain how you know.