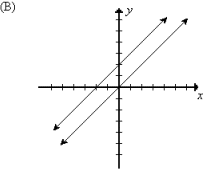
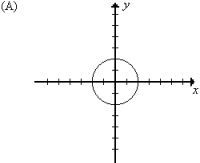
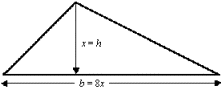
1. Find the distance between the points (4,-1) and (-5,3)
2. Find the midpoint of the line segment with endpoints (5,-2) and (-3,12)
3. Graph the equation
4. Find the equation of the line with slope 0 and y-intercept (0,-2). Write your answer in the form y=mx+b
5. Write the equation of the line passing through (5,2) and (4,-2)
6. Find the vertex of the graph of the parabola f(x)=-

3x+2if x find f(-1)

1. Which set of ordered pairs (x,y) define y as a function of x?
2. {(5,1), (-3,4), (-3,2)}
3. Determine the domain of the function f(x) =
4. Consider all the ordered pairs shown on Graph A and all the ordered pairs shown on Graph B. Which set of ordered pairs defines a function?



1. The length of the base of a triangle is eight times the length of its altitude. Express the area (A) of the triangle as a function of its altitude x.



1. Find the slope of the line passing through the points (-1,-2) and (1,4)

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| For any two parallel lines: |
|  | |  |  | | --- | --- | | **A.** | the slopes are zero | | **B.** | the slopes are reciprocals | | **C.** | the slopes are positive | | **D.** | the slopes are equal | |

1. Find the value of x in the domain of f(x)=-2x-3 for which f(x)=3
2. If the quadratic function f(x)=-4x+6 is graphed the range has

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| 1. a maximum value |
| **B.** | a minimum value |
| **C.** | no maximum or minimum value |
| **D.** | many maximum and minimum values |