

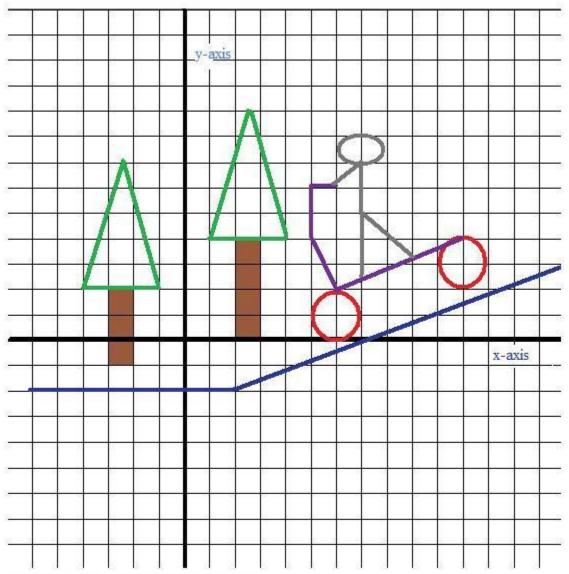
Cartesian Coordinate Cartoons

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Note: Each square is (one unit) x (one unit)

"Why did the math student get lost?" (Answer is with the solutions)

- 1) Draw a line segment connecting (-6, -2) to (2, -2)
- 2) Draw a ray with endpoint (2, -2) that has a slope of 2/5
- 3) Construct a circle with diameter of 2 and the center (6, 1)
- 4) Construct a circle with radius of 1 and the center (11, 3)
- 5) Draw an isosceles triangle with base 3 and altitude of 5... The median of the base is (2.5, 4)
- 6) Reflect the image over the y-axis AND shift the triangle down 2 units
- 7) Shade in the following areas: (x, y) where 2 < x < 3 and 0 < y < 4 and (x, y) where -3 < x < -2 and -1 < y < 2</p>
- 8) Draw line segment #8 connecting (6, 2) to (11, 4)
- Draw a line segment perpendicular to line segment #8. The length is approximately 2 ½
 units and rises from (6, 2)
- 10) Draw a vertical line segment from (5, 4) to (5, 7)
- 11) Draw a 1 unit horizontal segment from (5, 7) to (6, 7)
- 12) Inscribe an ellipse in the region within these points: (6, 7) (6, 8) (8, 7) (8, 8)
- 13) Draw vertical line segment #13 from (7,7) to line segment #8
- 14) From the midpoint of segment #13, draw a segment with slope -1 to segment #8 (this should form "an upside down 45 degree angle".)
- 15) Connect the right endpoint of segment #11 to the bottom of the ellipse.



Why did the math student get lost?

Because he used the wrong sign... www.mathplane.com (traffic sign/math sign)