Solve the following systems of equations:

$$y = 3x - 2$$

$$y = 3(-1) - 2 + 4y = -7$$

$$x - y = 4$$

$$y = -3 - 2 + 5x - 2y = 1$$

$$x - 3x + 2 - 4$$

$$x - 3x + 2 - 4$$

$$-2x + 7 = 4$$

$$-2x + 7 = 4$$

$$x = -3$$

$$-2x + 7 = 4$$

$$-1, -5$$

$$5x + 4(-3) = -7$$

$$5x + -17 = -7$$

$$+11 + 12$$

$$5x = 5$$

$$-1, -3$$

$$x = 5$$

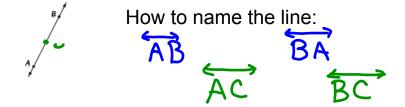
$$x = 1$$

1.1 - Building Blocks of Geometry

Point - has no size, only location

Line - straight, continuous arrangement of infinitely many points.

it has infinite length, but no thickness



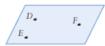
Plane - has length & width, but no thickness. Flat surface that extends infinitely along its length and width



Collinear - on the same line



Coplanar - on the same plane



Line Segment - consists of two points called the **end points** of the segment and all the points between them that are collinear with the two points



How to name a line segment:







Go to page 26 in your text book

- read the bottom of the page to learn the difference between = and ≅

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