Warm-up (5 minutes)

Direction: On this paper, answer the following questions quietly at your seat:

1) Turn in your homework into the folder.

2) Take out your textbook, and leave it on your desk.

3) On a separate sheet of paper, label "Classwork 2: The building blocks of geometry.."

4) Write down your homework assignment for tonight.

5) Solve the following equations for x:

$-3x^2 + 4x = 11$
x = _____ , _____

$x^2 + 7x - 4 = 17$ x = _____ , _____

Begin Lesson (10 minutes)
Defining Geometry terms:

Point: Represented with a dot.

Line: a straight continuous arrangements of infinitely many points.

Plane: it has a length and width, but on thickness.

Collinear: the points are on the same line.

Coplanar: the set of points are on the same plane.

Line segment: consists of 2 endpoints and an infinite number of points in between.

Congruent: the line segment are the exact same length, and or the angle measurement is exactly the same.

Midpoint: a point of the line segment that is exactly the same distance from BOTH end points.

Bisect: the act of dividing a line, and or angle into 2 congruent line or angle, respectively.

Ray: a part of a line segment that begins with a point on the line as the end point, and contains an infinitely many points to the left or right.

Ray: Begin classwork (20 minutes)
Page 33 - 34 # 1-16 evens. On a separate sheet of paper, work on Page 33- 34 with your paired partner.

Go over Parts of page 33-34 (10 minutes)
Go over problems 4, 6, 10, 14, 18, and 20

Exit Ticket
Complete this exit ticket.

Factor each expression completely:
$-4x^2 - 12x - 8 =$ _____

$2x^2 - 10x + 12 =$ _____

Construct line segment **AB**

Construct Ray **AB**

Describe the difference between line **AB**, and ray **AB**.

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