☐ (1) Record your TOTAL score

☐ (2) Write your Name, Lesson Number, Date, Group Number and Letter in your DN/ET packet.

☐ (3) Compare and contrast the qualities of lines, line segments, and rays. (Describe how they are alike and how they are different.)

☐ (4) Put the DO NOW/EXIT TICKET packet in your folder.

Name _____**Per**_____

SLO: **I can use a compass to locate points that are specific distances from other points to construct a triangle.**

☐ (1)   **Locating particular points, part 1**
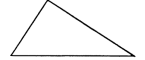
☐ (a) A triangle has _____ sides. To draw _____ sides, we need to locate _____ specific points that we can connect to make the sides. In the space below, mark 3 points, label them A, B, and C, and connect them to make a triangle.

☐ (b) Compare your triangle to the triangles made by others in your group. Are the triangles all exactly the same? _____How do you know:_____

☐ (2)   **Locating particular points, part 2**

ruler

☐ (a) Draw a triangle with the lengths at right.

Use a ruler to measure and draw each side of triangle ABC

precisely the length of the segments at right.

A ●———————● C

B ●————————● C

A ●—————————————● B
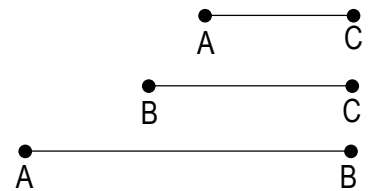
☐ (b) Check to make sure each side is exactly the length it is supposed to be.

☐ (c) Did all of the sides line up right the first time?_____ Did you have to erase or redraw any sides?_____

☐ (d) Compare your triangle to the triangles made by others in your group. Are the triangles all exactly the

same? _____How do you know:_____

☐ **(3)**
compass

Locating particular points, part 3

A ●——————● C

☐ (a) Construct triangle ABC using the 3 distances:

B ●——————————● C

Points A and B have been located and connected for you. You must locate C.

A ●————————————————● B

A ●————————————————● B
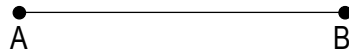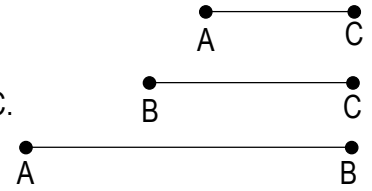
Hints: How far apart do A and C need to be? Measure that and show all the points that distance from A.

How far apart do B and C need to be? Measure that and show all the points that distance from B.

☐ (b) Where is/are the point(s) that are both the desired distance from point A and the desired distance from point B? How do you know? _____
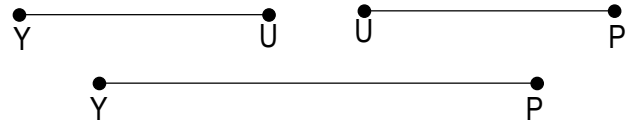
Mark the point(s) in your diagram

☐ (c) Compare your triangle to the triangles made by others in your group. Are the triangles all exactly the same? _____How do you know:_____

☐ **(4)**
compass

Construct a triangle by locating points

Y ●——————● U   U ●——————● P

☐ Construct triangle YUP by using the 3 distances:

Y ●————————————————● P

☐ (b) Compare your triangle to the triangles made by others in your group. Are the triangles all exactly the

same? _____How do you know:_____

0.7

☐ (5) **The power of the compass**

☐ The compass makes it possible for us to see _____ of the points that are a specific distance from another point.

☐ To find a point that is both a desired distance from point A and a desired distance from point B, we construct

_____ _____ and mark the point where they _____.

☐ (6) **EXIT TICKET**

Do Now/
Exit Ticket
Packet

Demonstrate today's SLO: "I can use a compass to locate points that are specific distances from other points to

construct a triangle."

☐ Construct Triangle END with the lengths at right.

E ●—————————————● N   N ●————————————————————————● D

E ●————————————————————● D
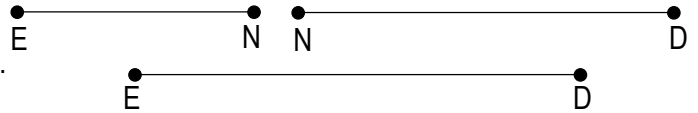
☐ (6) **HOMEWORK:**

notes, pink
& green
sheets

☐ Study for the quiz tomorrow by:

(1) Rereading the agenda items we focused on last week

    (2) Rereading the classroom expectations and procedures

    (3) Drawing lines, line segments, rays, and planes and using your notes to name each one with proper

        notation

    (4) Using a compass to construct all of the points that are the same distance from a point

    (5) Using a compass to construct a triangle from given lengths.

    (6) Reviewing how to keep your brain healthy

Show all of the points that are the same distance from C as A is from B.

A ●————————● B

Show all of the points that are the same distance from I as G is from H.

G ●————————● H

C ●

I ●

Show all of the points that are the same distance from F as D is from E.

D ●————————————● E

Show all of the points that are the same distance from L as J is from K

J ●————————————————● K

F ●

L ●