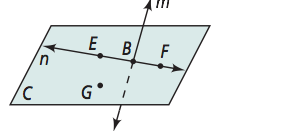
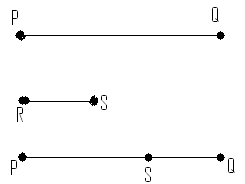
**Points Lines and Planes**

Use proper notation to name:

1. A line through points a and b
2. A ray from point p towards point s
3. A segment with endpoints r and s
4. A plane that contains points p, r and s

Use the figure at the right for questions 5-7

1. Name 3 collinear points
2. Name the plane two different ways
3. What are two other ways to name line

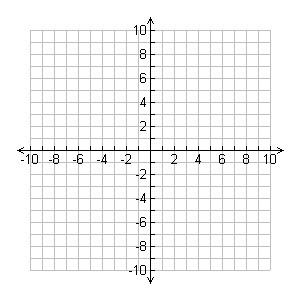
**Segments**

Use the figure at the right for problems 1-4

1. If PS is 24 and SQ is 10 find PQ
2. If PS if 25 and PQ is 40, find SQ
3. If PS is 2x – 2 and SQ is 12, and PQ is 36 find x, and PS
4. If PS is 3x + 4, SQ is x, PQ is 28. Find x, PS, and SQ

**Midpoints**

1. M is the midpoint of the segment whose endpoints are (-4, 8) and (6, 12). Find M.



1. M is the midpoint of segment AB. If M has a coordinate of (-2, 0) and A has a coordinate of (-9, 5), find the other endpoint B.

12. Let  be the midpoint of

 =

 =

1. Draw a diagram that visually represents the given information.

(b) Use the definition of a midpoint to solve for *s****.***

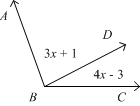
**Angles**

1. If the measure of ∠1 is 75, find the measures of angles

2:

3:

4:

1. In the figure to the right ∠ABC = 124.
2. Use Angle Addition Postulate to find ***x.***
3. Find the measure of and .



1. Name a pair of
2. Complimentary angles
3. Supplementary angles
4. Vertical angles
5. Given:  is the bisector of . Find the measure of if = 120°
6. If is supplementary to and is complementary to. Determine the measure of if .
7. Find x: