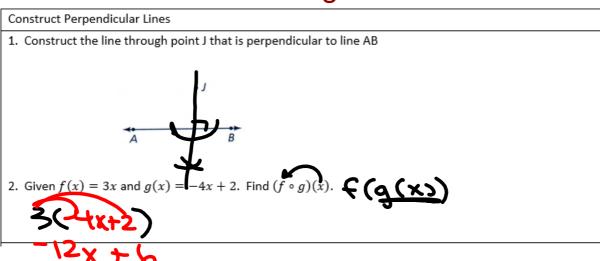
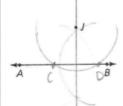
Bell Ringer



Solutions

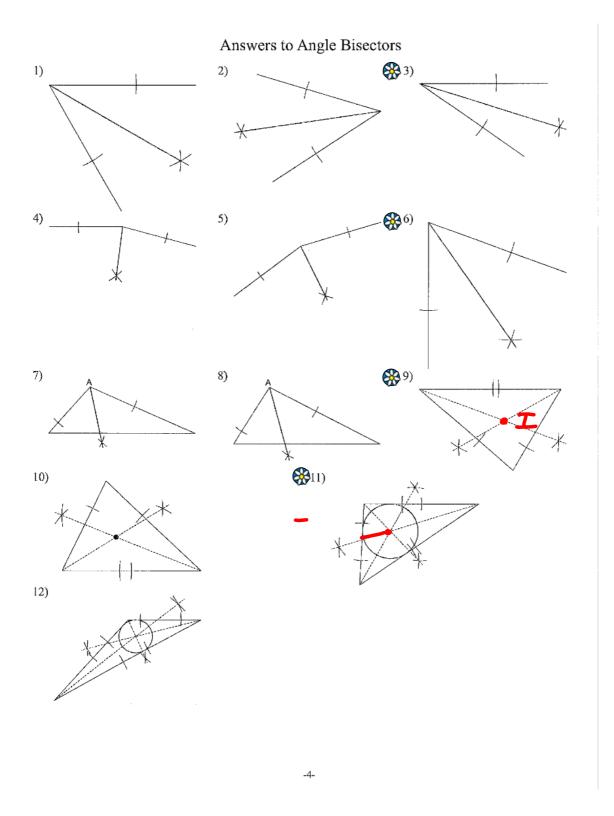
Construct Perpendicular Lines

1. Construct the line through point J that is perpendicular to line AB

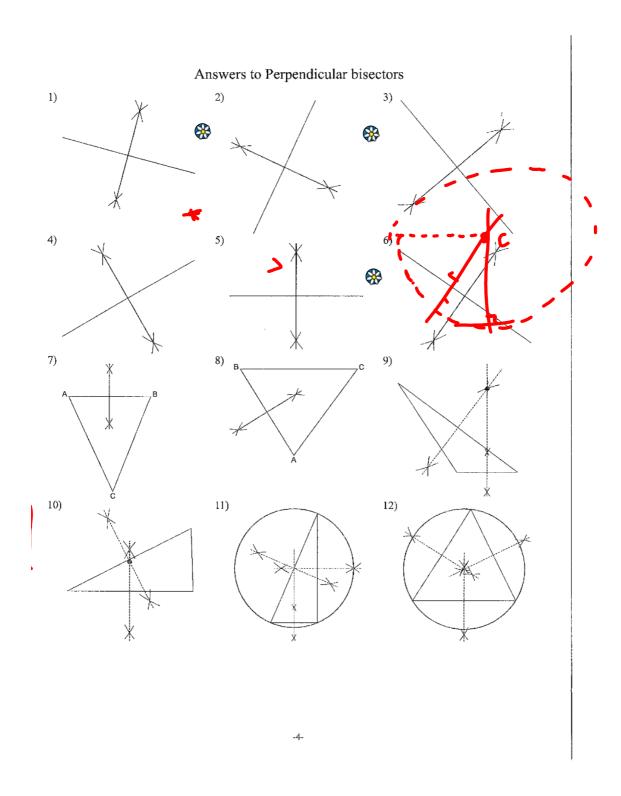


2. Given f(x) = 3x and g(x) = -4x + 2. Find $(f \circ g)(x)$.

Correct 7B Angle and Perpendicular Bisectors







7C Perpendicular Lines due Monday



pg 11 Parallel Lines



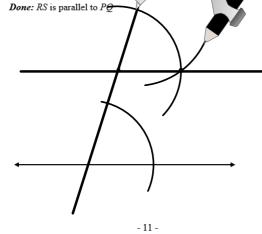
Start: Start with a line segment PQ and a point R off the line. **Step 1:** Draw a transverse line through R and across the line PQ at an angle, forming the point J where it intersects the line PQ. The exact angle is not important.

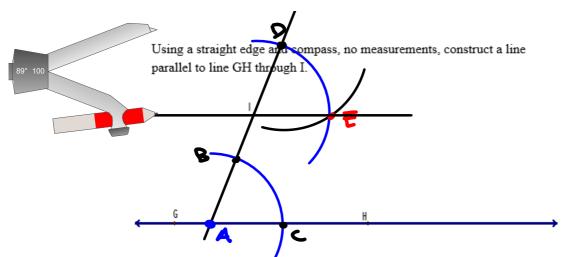
Step 2: With the compass width set to about half the R and J, place the point on J, and draw an arc acros 58°

Step 3: Without adjusting the compass width, move and draw a similar arc to the one in step 2.

Step 4: Set compass width to the distance by the lower arc crosses the two lines. Move the compass the crosses the transverse line and draw across the forming point S.

Step 5: Draw a straight line throv points R and S.

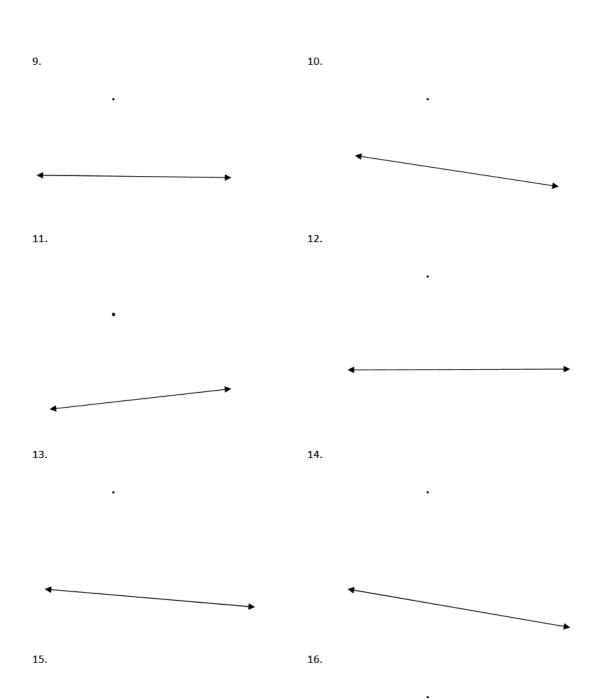




Using a straight edge and compass, no measurements, construct two lines perpendicular to line JK through M and N. Construct a line parallel to JK through L.



Name		/D - Constructing Parallel Lines
Constructing Parallel lines through a given poin	nt	
Construct a line parallel to the given line and p	asses through	the given point.
1.	2.	•
←		—
•		
3.	4.	
J.	٠.	·
•		
•		
•		•
5.	6.	
•		•
		←
———		•
7.	8.	
•		•
		4
4		



Construct Perpendicular Lines

1. Construct the line through point J that is parallel to line AB



2. Given f(x) = 3x and g(x) = -4x + 2. Find $(f \circ g)(x)$.

Construct Parallel Lines

1. Construct the line through point J that is perpendicular to line AB

•]



3. Solve the exponential function $2^{x-1} = 64$

Construct Triangles

1. Construct an Isosceles Triangle with one side length congruent to segment AB.



2. Construct an Equilateral Triangle with side lengths congruent to segment AB.



3. Evaluate $y = 2(4)^x$ when x = -1, 0 and 1.