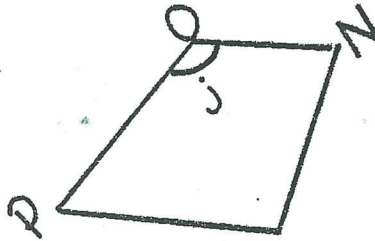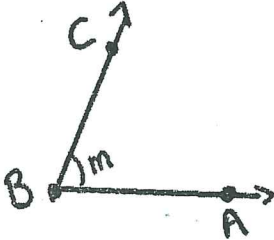Name **Key**

Chapter 9 Angles Test Study Guide

acute - less than 90°
right - 90°
obtuse - greater than 90° less than 180°
straight - 180°

1. Be able to name marked angles
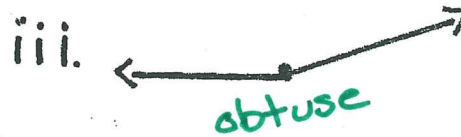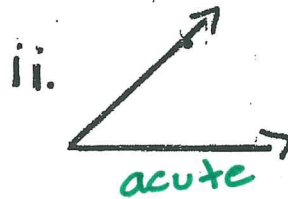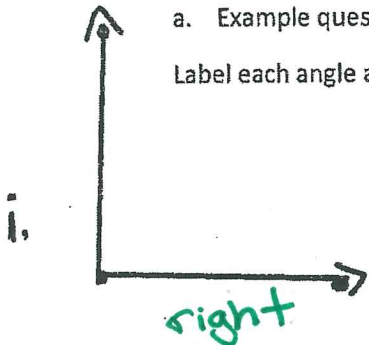   a. Example questions

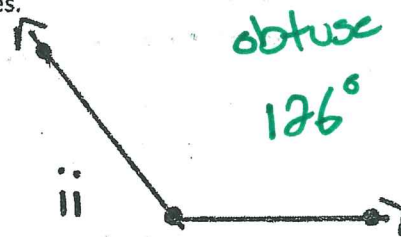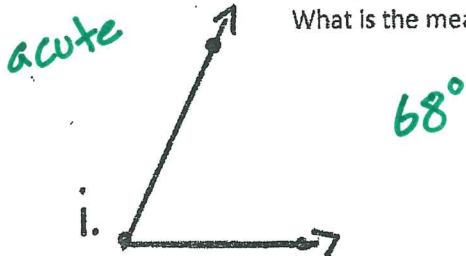   Name the angle given.

∠m
∠CBA

∠PON
∠J

2. Be able to identify obtuse angles, acute angles, right angles, and straight angles.
    a. Example questions

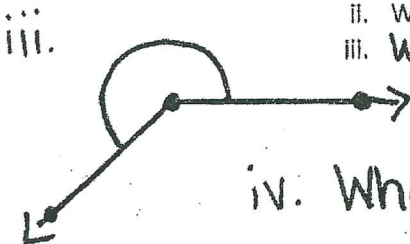   Label each angle as acute, obtuse, right or straight.

i.

ii.

iii. *obtuse*

iv. *straight*

right   *acute*

3. Be able to measure angles with a protractor
    a. Example questions
        What is the measurements of the two angles.
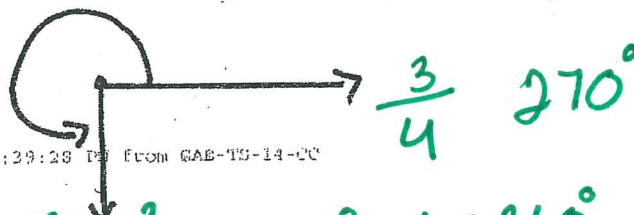
acute

i.   **68°**

obtuse

ii.   **126°**

4. Be able to identify fraction turns by the fraction of a turn, or the degrees
    a. Example question
        i.   What is equal to ½ of a complete turn? **180°**
        ii. What fraction turn is 270°? **3/4**
        iii. **What shows an angle between ½ and ¾ turn?**
             180°   270°

iii.

iv. **What fraction of a turn does this show?**

¾ 270°

¼ = 90°   ½ = 180°   ¾ = 270°   1 = 360°

5. Be able to use a protractor to draw an angle.
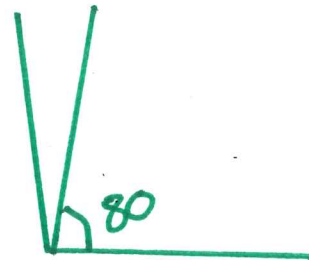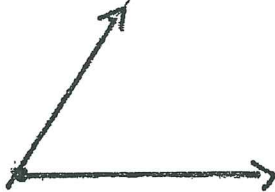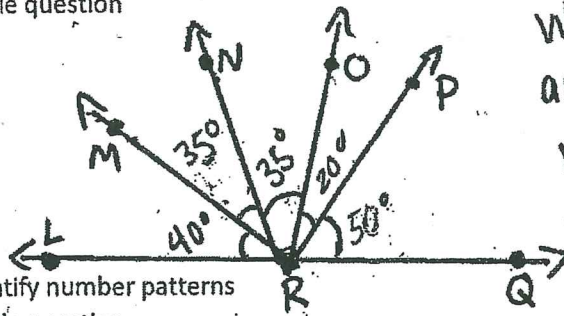   a. Example question
        i. Draw an angle that is 104°.

obtuse
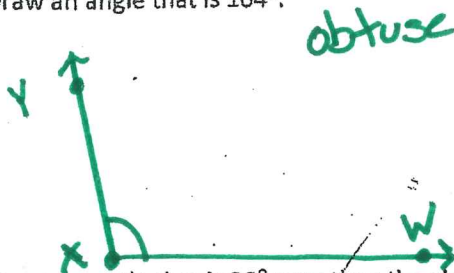
        ii. Draw an angle that is 20° more than the given angle.

$$\begin{array}{r} 60° \\ \underline{20} \\ 80° \end{array}$$

80

6. Be able to identify which ray forms the correct angle.
    a. Example question

Which ray forms an angle measure of 35° with $\overline{RO}$?

$\overrightarrow{RN}$
$\overrightarrow{NR}$

7. Be able to identify number patterns
    a. Example question
        i. What comes next?
        14, 16, 19, 23, 28, 34, 41, 49
        What is the pattern?

        If the pattern continues what would be the 10th number?

        58   68

8. Know the definition of the following words
    a. Line
    b. Vertex
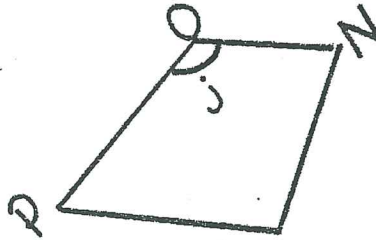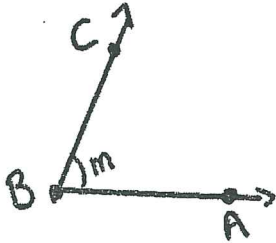   c. Line segment
    d. Angle
    e. Ray
    f. point
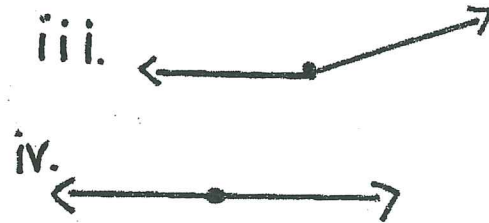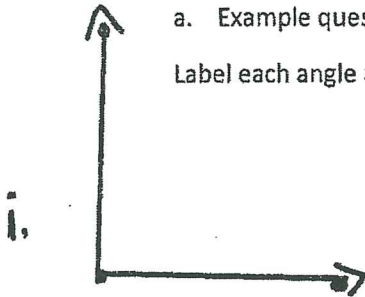
vertex

Chapter 9 Angles Test Study Guide

1. Be able to name marked angles
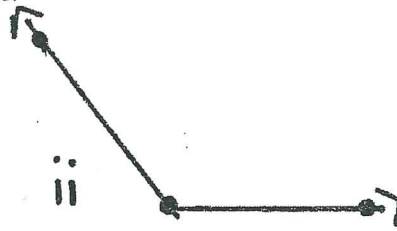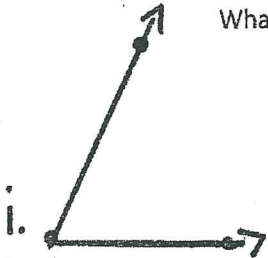   a. Example questions

   Name the angle given.

2. Be able to identify obtuse angles, acute angles, right angles, and straight angles.
   a. Example questions

   Label each angle as acute, obtuse, right or straight.

   i.

   ii.

   iii.

   iv.

3. Be able to measure angles with a protractor
   a. Example questions
   What is the measurements of the two angles.

   i.

   ii
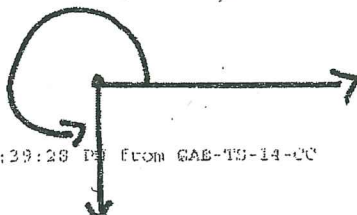
4. Be able to identify fraction turns by the fraction of a turn, or the degrees
   a. Example question
      i. What is equal to ½ of a complete turn?
      ii. What fraction turn is 270°?
      iii. What shows an angle between $\frac{1}{2}$ and $\frac{3}{4}$ turn?

   iii.
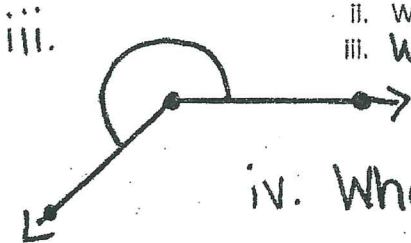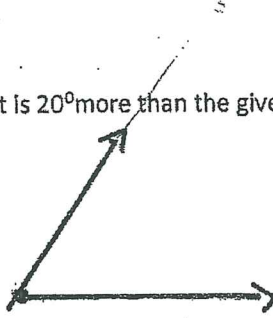
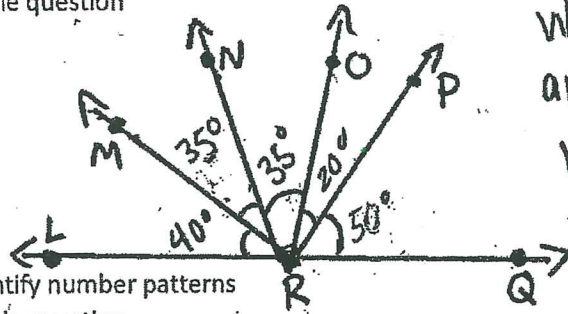   iv. What fraction of a turn does this show?

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   a. Example question
      I. Draw an angle that is 104°.

      ii. Draw an angle that is 20°more than the given angle.

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Which ray forms an angle measure of 35° with $\overline{RO}$?

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   c. Line segment
   d. Angle
   e. Ray
   f. point