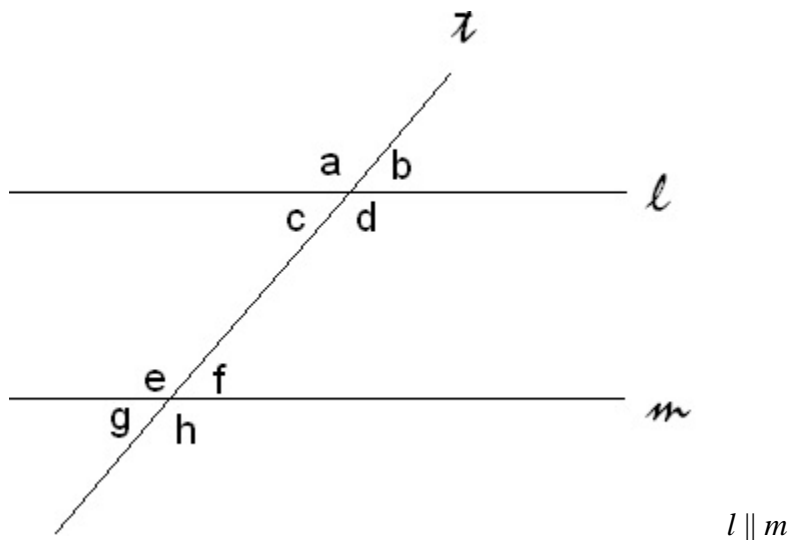


# Standard 5 ANGLE practice Set

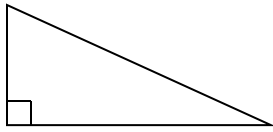
## Geometry

Knowledge of fundamental geometric concepts, including shapes and their properties and relationships

Directions: Answer the following questions. You may use a calculator if needed. Check your answers using the answer key at the end of this practice set.



1. Angles d and e are congruent. These angles are called \_\_\_\_\_ angles
2. Angles a and e are congruent. These angles are called \_\_\_\_\_ angles.
3. Since lines  $l$  and  $m$  are parallel, they will never \_\_\_\_\_.
4. If angle  $e = 100^\circ$ , find the measure of angle f.
5. If angle  $g = 60^\circ$ , find the measure of angle d.
6. What word describes the relationship between angles e and f? \_\_\_\_\_
7. What type angle is angle e: right, obtuse, acute, or straight? \_\_\_\_\_



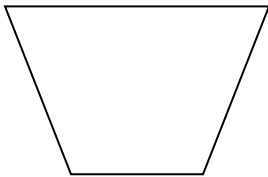
8. Classify this triangle based on its angles. \_\_\_\_\_

9. Classify this triangle based on its side lengths. \_\_\_\_\_

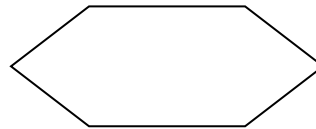
10. Find the measure of the third angle of the triangle if two of the angles have measures of  $52^\circ$  and  $90^\circ$ . \_\_\_\_\_

Identify the following shapes:

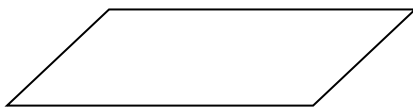
11.



12.



13.



14.



15. If the radius of a circle is 12 cm, what is the diameter of the circle? \_\_\_\_\_

### **Answer Key for Standard 5 Geometry Practice Set**

1. alternate interior angles
2. corresponding angles
3. intersect (or meet)
4.  $80^\circ$
5.  $120^\circ$
6. supplementary angles
7. obtuse
8. right triangle
9. scalene triangle
10.  $38^\circ$
11. trapezoid, also quadrilateral
12. hexagon
13. parallelogram, also quadrilateral
14. pentagon
15. 24 cm