

Date: \_\_\_\_\_

G-4

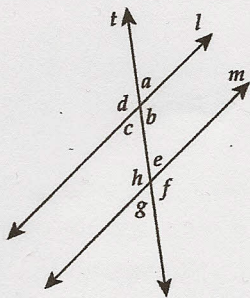
**NJ ASK Practice**

**DIRECTIONS FOR QUESTIONS 1 THROUGH 5: Read each question. Circle the letter of the answer you choose.**

**1** Which angle pair formed by parallel lines and a transversal has measures that are not equal?

- A. alternate exterior angles
- B. alternate interior angles
- C. same-side interior angles
- D. corresponding angles

**2** Transversal  $t$  intersects parallel lines  $l$  and  $m$ , forming angles  $a, b, c, d, e, f, g,$  and  $h$ .



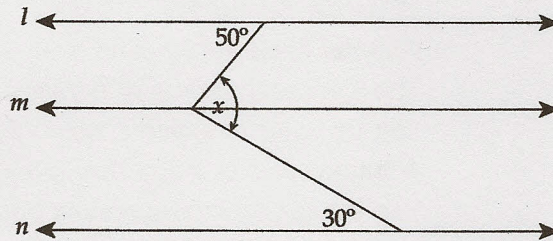
Using what you know about angles and parallel lines, which statement cannot be verified?

- A.  $m\angle a = m\angle c$
- B.  $m\angle b = m\angle h$
- C.  $m\angle c = m\angle h$
- D.  $m\angle a = m\angle e$

**3**  $\angle AB$  is perpendicular to  $\overline{AC}$ .  $\overline{AD}$  forms two angles in the interior of  $\angle CAB$ . The measures of  $\angle CAD$  and  $\angle DAB$  are in the ratio of 1:4. What is the measure of the smaller angle?

- A.  $72^\circ$
- B.  $36^\circ$
- C.  $18^\circ$
- D.  $9^\circ$

**4** Lines  $l, m,$  and  $n$  are parallel.

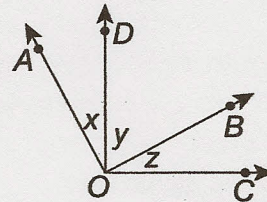


What is the measure of  $\angle x$ ?

- A.  $30^\circ$
- B.  $50^\circ$
- C.  $80^\circ$
- D.  $160^\circ$



**5** Jon drew this figure on a piece of paper.



In the figure,  $\overline{OA}$  is perpendicular to  $\overline{OB}$ ,  $\overline{OD}$  is perpendicular to  $\overline{OC}$ , and  $m\angle x = 28^\circ$ .

What is the measure of  $\angle z$ ?

- A.  $90^\circ$
- B.  $62^\circ$
- C.  $31^\circ$
- D.  $28^\circ$

**DIRECTIONS FOR QUESTION 6:**

**Read the question. Enter your answer on the blank line.**

**6** Refer to the figure in question 5. What is the measure of  $\angle y$ ?

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