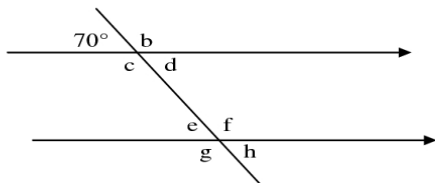


## Year 8 Geometry Test

Each question, or part of a question, on the first two pages is worth 1 mark



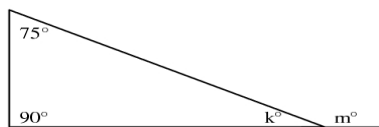
1. Complete the following using the diagram above.

- (a) d and f are \_\_\_\_\_ angles
- (b) c and f are \_\_\_\_\_ angles
- (c) b and f are \_\_\_\_\_ angles
- (d)  $e + f + g + h =$  \_\_\_\_\_ $^{\circ}$
- (e)  $c + e =$  \_\_\_\_\_ $^{\circ}$
- (f)  $b =$  \_\_\_\_\_ $^{\circ}$
- (g)  $f =$  \_\_\_\_\_ $^{\circ}$

Circle the correct answer

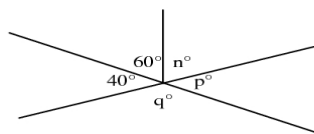
- 2. Angles in a quadrilateral
  - A add to  $180^{\circ}$
  - B are equal
  - C are between  $0^{\circ}$  and  $90^{\circ}$
  - D add to  $360^{\circ}$
- 3. Corresponding angles
  - A add to  $180^{\circ}$
  - B are equal
  - C are between  $0^{\circ}$  and  $90^{\circ}$
  - D add to  $360^{\circ}$
- 4. Co-Interior angles
  - A add to  $180^{\circ}$
  - B are equal
  - C are between  $0^{\circ}$  and  $90^{\circ}$
  - D add to  $360^{\circ}$
- 5. Alternate angles
  - A add to  $180^{\circ}$
  - B are equal
  - C are between  $0^{\circ}$  and  $90^{\circ}$
  - D add to  $360^{\circ}$
- 6. Vertically opposite angles
  - A add to  $180^{\circ}$
  - B are equal
  - C are between  $0^{\circ}$  and  $90^{\circ}$
  - D add to  $360^{\circ}$

7. Find the value of each pronumeral



$k =$

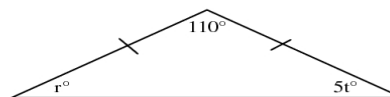
$m =$



$n =$

$p =$

$q =$



$r =$

$t =$