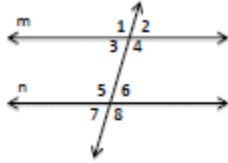# NEAT ANGLES – Worksheet 2

INSTRUCTIONS: Given that line *m* and *n* are parallel, match each set of angles with the correct descriptions. Selections may be used once, more than once, or not at all.
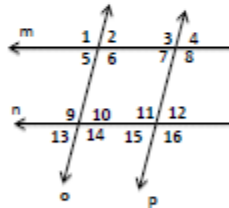

A. Corresponding
B. Alternative Interior
C. Alternate Exterior
D. Consecutive Interior
E. Consecutive Exterior
F. None of These

1. ___A___ ∠3 and ∠7   4. _____ ∠4 and ∠5

2. _____ ∠1 and ∠8   5. _____ ∠4 and ∠6

3. _____ ∠2 and ∠5   6. _____ ∠2 and ∠8

INSTRUCTIONS: Given that line *m* and *n* are parallel, and line o and p are also parallel, Match the type of angle for each pair and name the line that is the transversal for the set.

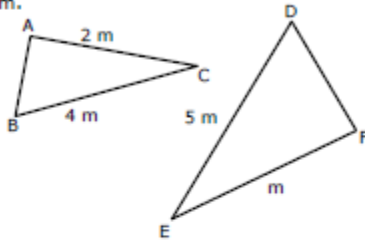| Angle Pair	Transversal	Type of Angles
∠1 and ∠14	o	Alternate Exterior
∠10 and ∠11		
∠1 and ∠8		
∠5 and ∠13		
∠14 and ∠11		
∠4 and ∠16		
∠14 and ∠6		

Corresponding Angles of Similar of Triangles - Matching Worksheet

Write the letter of the answer that matches the problem.

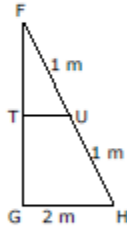**1.** In the diagram below, ΔABC ≈ ΔDEF. Find m.
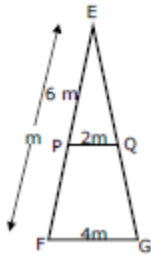

a.   12 meter

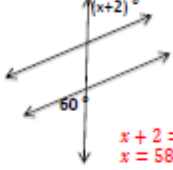**2.** Find m.

b.   2.5 meter

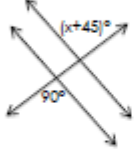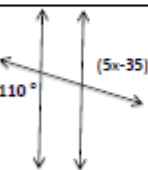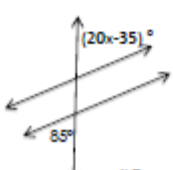**3.** Find m.

c.   1 meter

NAME: _____   SCORE: _____

EXTERIOR ANGLES – Worksheet 1

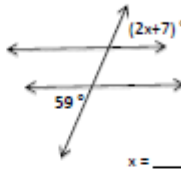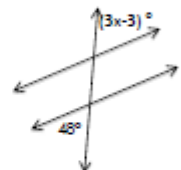**INSTRUCTIONS:** Find the value of x.

1.

$(x+2)°$

$60°$

$x + 2 = 60$
$x = 58$

2.

$(2x+7)°$

$59°$

$x =$ _____

3.

$(x+45)°$

$90°$

$x =$ _____

4.

$(3x-3)°$

$48°$

$x =$ _____

5.

$(5x-35)°$

$110°$

$x =$ _____

6.

$(10x-5)°$

$85°$

$x =$ _____

7.

$(20x-35)°$

$85°$

$x =$ _____

8.

$95°$

$(10x-5)°$

$x =$ _____