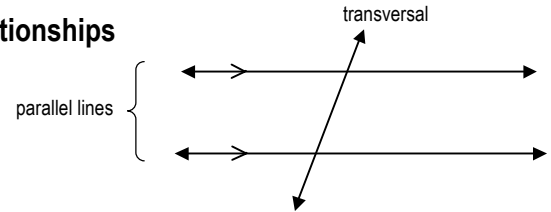


Name _____ Per _____

LO: I can identify **angle relationships** involving parallel lines and use the relationships to solve for unknown values.

DO NOW On the back of this packet

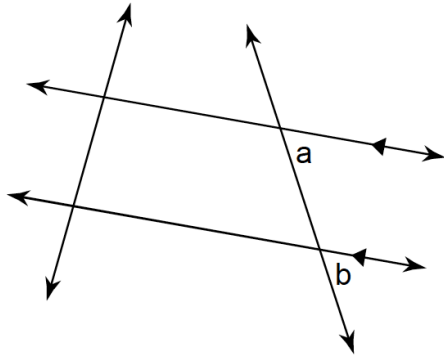
- (1) **Need to Know: Parallel Lines, Transversals, and angle relationships**
SEE NOTES on lesson 2.2L #1



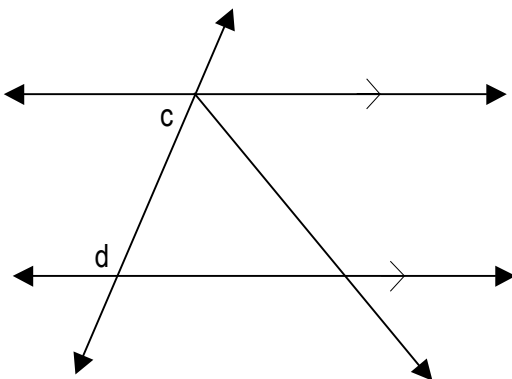
- (2) **Angles: Identifying angle relationships**

(1) Name the angle relationship (2) Write an equation (3) solve it for x, and (4) find the value of both angles

(a&b) $a = 2(x - 5)$ $b = x + 50$



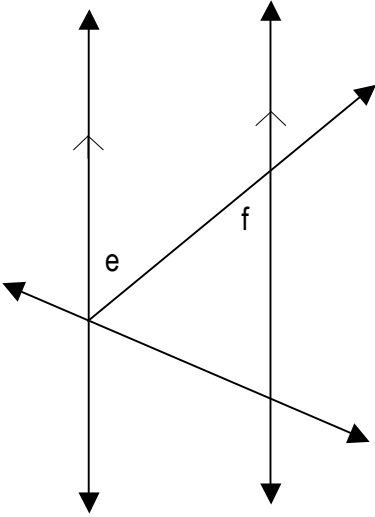
(c&d) $c = 3x - 48 + x$ $d = 2(2x - 6)$



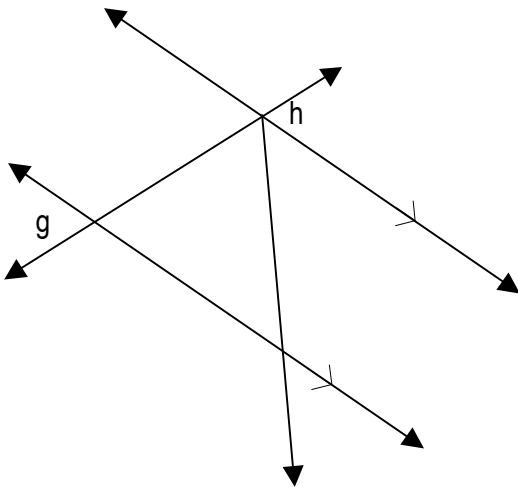
(2) **Angles: Identifying angle relationships**

cont. (1) Name the angle relationship (2) Write an equation (3) solve it for x , and (4) find the value of both angles

(e&f) $e = 12(x + 5) - 20$ $f = 8x - 3(-4 - 6x)$



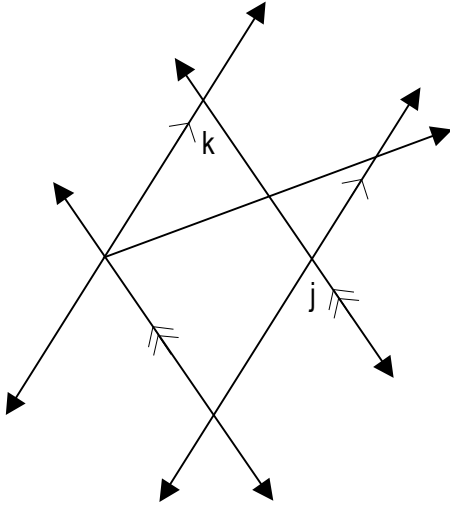
(g&h) $g = \frac{1}{2}(10 - 4x)$ $h = 3x + 65$



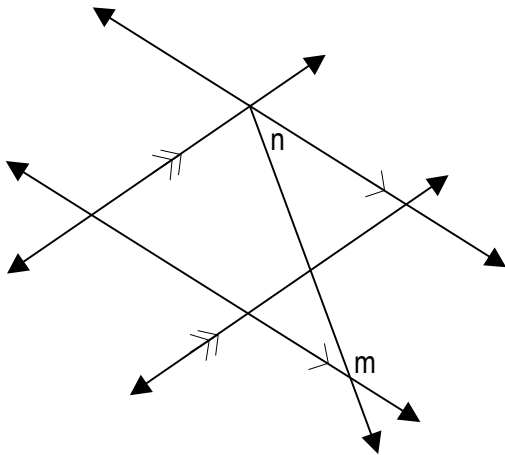
(2) **Angles: Identifying angle relationships**

cont. (1) Name the angle relationship (2) Write an equation (3) solve it for x , and (4) find the value of both angles

(j&k) $j = -4(x + 3) - 2x + 7$ $k = 10 - 2(x + 4) - 3x$



(m&n) $m = x^2 - 50$ $n = 3x^2 - 94$



(3) **Exit Ticket**

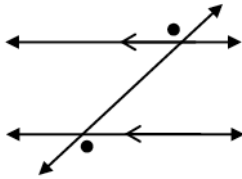
ON THE LAST PAGE

 (4) **Homework**
pen or
pencil

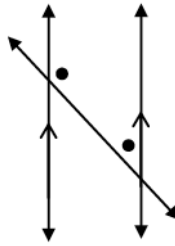
(1) Finish the classwork

(2) Identify the relationship between the two angles marked with a dot. If there is no relationship, write "none".

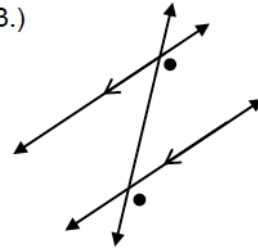
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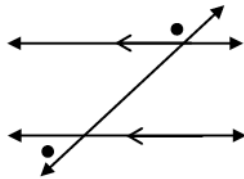
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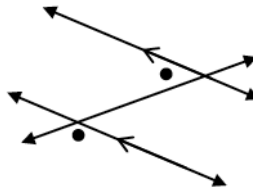
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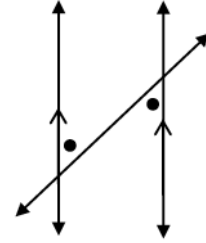
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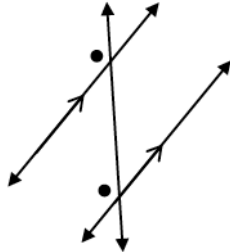
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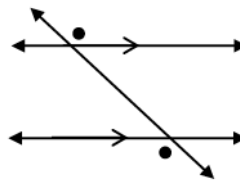
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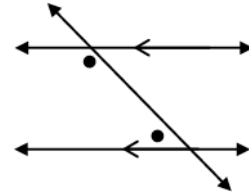
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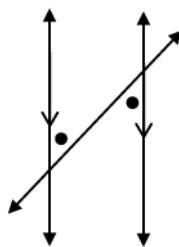
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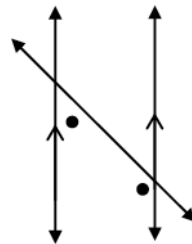
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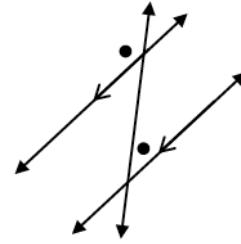
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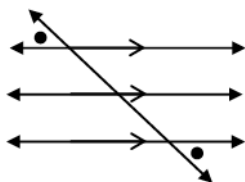
11.)



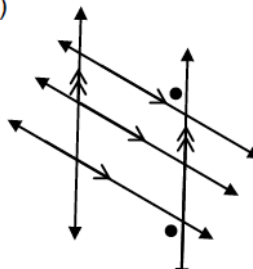
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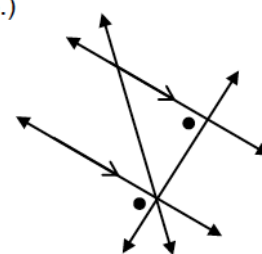
13.)



14.)



15.)



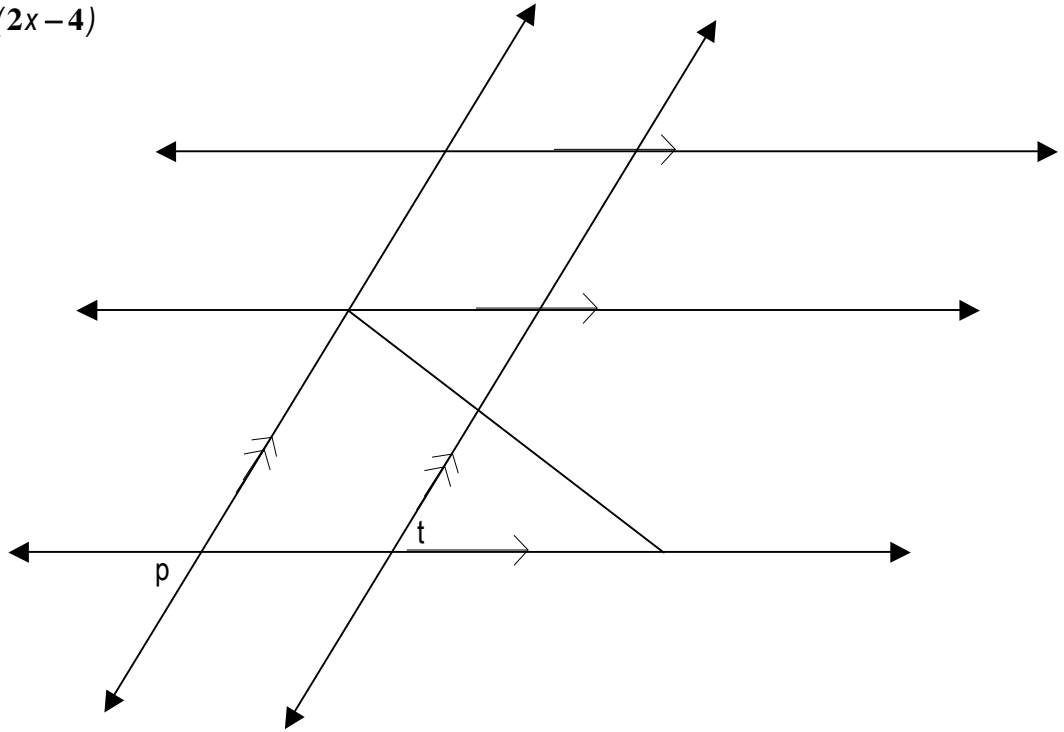
Exit Ticket Name _____ Date _____ Per _____

2.3L

(1) The LO (Learning Outcomes) are written below your name on the front of this packet. Demonstrate your achievement of these outcomes by doing the following:

Name the angle relationship (2) Write an equation (3) solve it for x , and (4) find the value of both angles.

$$p = 7x - 6 \quad t = 21 - 3(2x - 4)$$



DO NOW **Name** _____ **Date** _____ **Per** _____

2.3L

(1) Solving progress: Solve one of the two problems below.

(a) $2(4c - 3) - 8 = 4 + 2x$

(b) $3n - 5 = -8(6 + 5n)$

(2) Translation to algebra progress. Tobias had some quarters and divided them evenly among himself and 3 friends. On his way home he got 3 quarters in change from the corner store and found 2 more on the ground. At this point he had 8 quarters. How many quarters did Tobias start with? Write an algebraic statement to represent this situation. Be sure to write a "Let" statement to define any variables. Use BUCKS.