

Name: _____

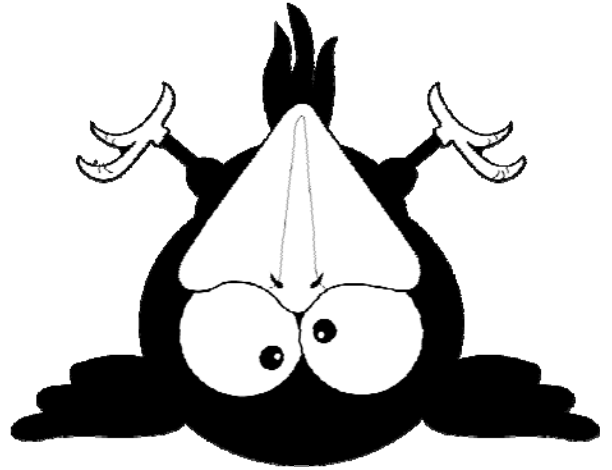
Date _____

Topic: Proofs in the Coordinate Geometry- Worksheet 1

Do the following:

Given: $P(2,2)$, $H(9,5)$, $M(10,3)$ and $O(4,4)$

- 1. Draw the quadrilateral on a graph paper.**
- 2. Find PH.**
- 3. Find HM.**
- 4. Is $PH \parallel MO$?**
- 5. Find OP.**



Given: $K(5,9)$, $P(8,2)$ and $L(10,4)$

- 6. Find KP.**
- 7. Is $KP \parallel PL$?**
- 8. Find the slope of KP.**
- 9. Find the slope of PL.**
- 10. Find KL.**



Name: _____

Date _____

Topic: Proofs in the Coordinate Geometry- Worksheet 2

Do the following:

Given: A(4,2), B(9,2), C(7,6) and D(4,5)

- 1. Draw the quadrilateral on a graph paper.**
- 2. Find AB.**
- 3. Find BC.**
- 4. Is $AB \parallel CD$?**
- 5. Find DA.**

Given: P(5,9), S(8,2) and H(10,4)

- 6. Find PH.**
- 7. Is $PS \parallel SH$?**
- 8. Find the slope of PS.**
- 9. Find the slope of SH.**
- 10. Find PS.**



Name: _____

Date _____

Topic: Proofs in the Coordinate Geometry- Worksheet 3

Do the following:

Given: $V(2,8)$, $Y(10,8)$, $S(3,6)$ and $W(8,5)$

- 1. Draw the quadrilateral on a graph paper.**
- 2. Find VY .**
- 3. Find YS .**
- 4. Is $VY \parallel SW$?**
- 5. Find WV .**

Given: $A(4,4)$, $S(7,13)$ and $Y(9,11)$

- 6. Find AY .**
- 7. Is $AS \parallel SY$?**
- 8. Find the slope of AS .**
- 9. Find the slope of SY .**
- 10. Find AS .**



Name: _____

Date _____

Topic: Proofs in the Coordinate Geometry- Worksheet 4

Do the following:

Given: $K(3,8)$, $E(7,9)$, $A(2,4)$ and $Z(6,6)$

- 1. Draw the quadrilateral on a graph paper.**
- 2. Is $KE \parallel AZ$?**
- 3. Find ZK .**
- 4. Find KE .**
- 5. Find EA .**

Given: $M(2,7)$, $Q(6,8)$ and $K(5,9)$

- 6. Is $MQ \parallel QK$?**
- 7. Find MQ .**
- 8. Find the slope of MQ .**
- 9. Find the slope of QK .**
- 10. Find MK .**



Name: _____

Date _____

Topic: Proofs in the Coordinate Geometry- Worksheet 5

Do the following:

Given: $Q(7,9)$, $W(5,5)$, $F(3,5)$ and $Z(4,8)$

- 1. Draw the quadrilateral on a graph paper.**
- 2. Is $QW \parallel FZ$?**
- 3. Find QW .**
- 4. Find WF .**
- 5. Find ZQ .**

Given: $D(2,7)$, $G(6,8)$ and $X(5,9)$

- 6. Is $DG \parallel GX$?**
- 7. Find DG .**
- 8. Find the slope of DG .**
- 9. Find the slope of GX .**
- 10. Find DX .**

