Geometry: Dieckmann/Kelly Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**HWK #3 Kite and Rhombus (Due: \_\_\_\_\_\_\_\_\_\_\_\_)**

1. Find the area of a rhombus with diagonals of (8x + 7) cm and (14x – 6) cm.

Answer: 56x2+25x-20 cm2

2. Find the area of the kite.



 Answer: 1008 in2

3. Find the area of the rhombus.



 Answer: 336 in2

4. Find $d\_{1}$ of a kite in which $d\_{2}=14$ in and $A=238$ in2

Answer: 34 inches

5. Find $d\_{1}$ of a rhombus in which $d\_{2}=3$ inches and $A=12xy$ in2

Answer: 8xy inches