

Evaluate each expression

1.

$$(6)\left(-\frac{7}{9}\right)$$

2.

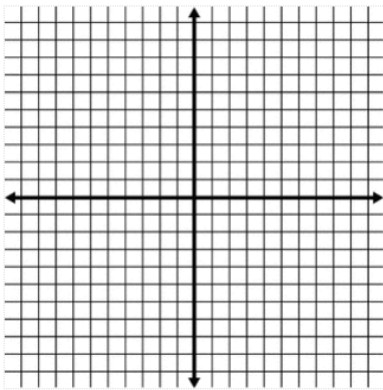
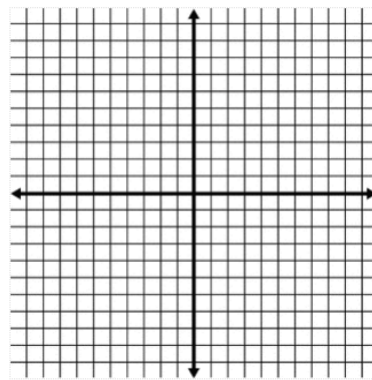
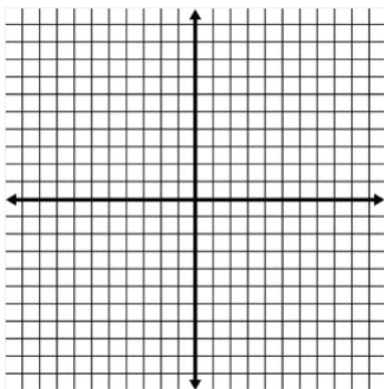
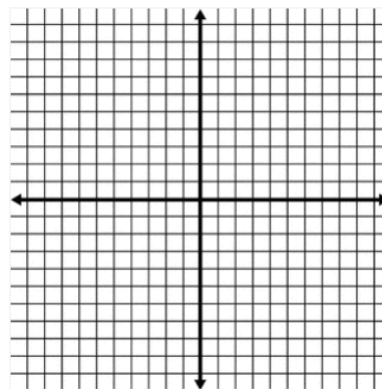
$$9 \div \frac{-1}{9}$$

3. What is the segment ratio formula? (Try not to use your notes.)

4. What are the slope and distance formulas?

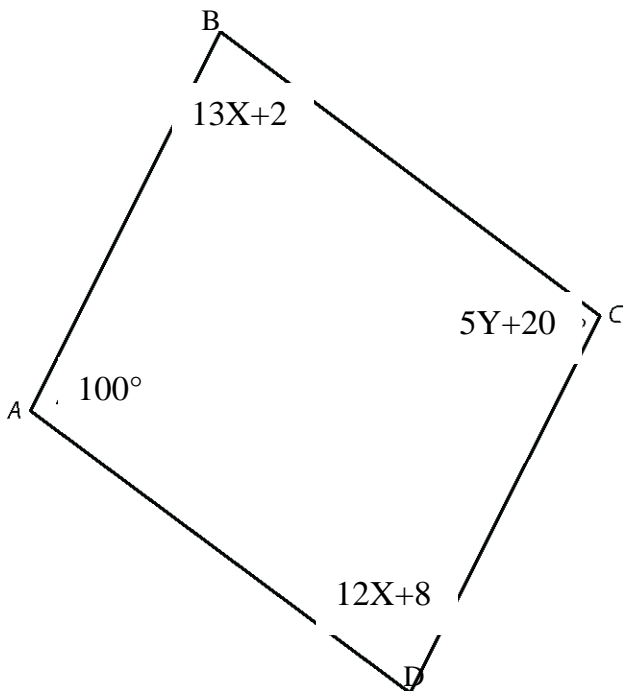
Look over the previous day's homework and answer the following questions:

For #5–10, Make an informal coordinate proof what shows which of the following is the most specific way to classify each shape. (Quadrilateral, parallelogram, rectangle, rhombus, square, kite, trapezoid, or isosceles trapezoid). Remember to organize and label your work, as this is still a proof! The important part of this is the work!!!

5. $A(-5, 6)$, $B(3, -3)$, $C(0, -6)$, $D(-9, 3)$ 6. $E(0, 2)$, $F(4, 2)$, $G(4, -2)$, $H(-1, -3)$ 7. $I(-6, 7)$, $J(-3, 4)$, $K(-6, 1)$, $L(-9, 4)$ 8. $T(-6, -4)$, $U(6, -4)$, $V(3, -8)$, $W(-3, -8)$ 

For #9-10, Determine the unknown angle measures AND the values of x and y that make quadrilateral $ABCD$ a parallelogram.

9.



$$X =$$

$$Y =$$

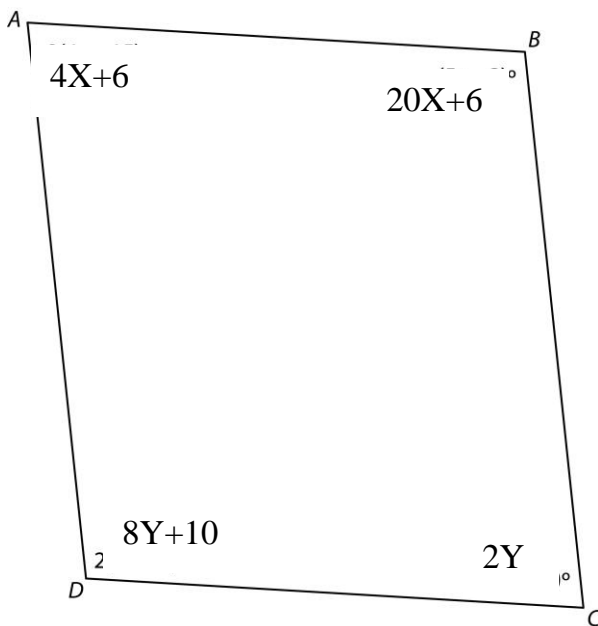
$$A =$$

$$B =$$

$$C =$$

$$D =$$

10.



$$X =$$

$$Y =$$

$$A =$$

$$B =$$

$$C =$$

$$D =$$