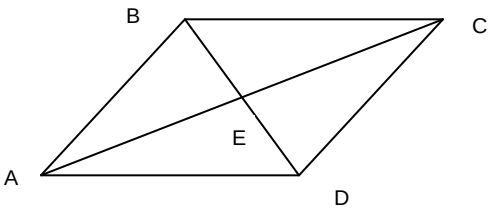
Algebra 2
Unit: Geometry
Section: Geometry of Quadrilaterals

Review Worksheet

1) ABCD is a parallelogram.



a. AB = 17a – 4 and CD = 5a + 52. Find the value of a.

b. The measure of angle BAD equals (4b + 50)° and the measure of angle DCB equals (11b + 36)°. Find the value of b.

c. The measure of angle ABC equals (2c – 17)° and the measure of angle BCD equals (c + 40)°. Find the value of c.

d. AE = 3d + 15 and EC = d + 9. Find the value of d.

2. Quadrilateral WXYZ is a rectangle. Angle X measures $(12x + 30)°$. Find the value of x.

3. What do you know about the sides, diagonals and angles of a rhombus?

4. What do you know about the sides, diagonals and angles of an isosceles trapezoid?

5. What do you know about the sides, diagonals and angles of a kite?