Distance Formula - Quadrilaterals

Name _____

Score _____

DF:26

1) Choose that the points P(–2, 2), Q(0, 4), R(–4, 4) and S(–6, 2) are the vertices of

○ Parallelogram ○ Square ○ Rhombus

2) Choose that the points E(–10, –3), F(–8, –3), G(–8, –5) and H(–10, –5) are the vertices of

○ Rectangle ○ Parallelogram ○ Square

3) Choose that the points T(0, –2), U(4, –8), V(8, –2) and W(4, 4) are the vertices of

○ Square ○ Rhombus ○ Parallelogram

4) Choose that the points K(7, 3), L(9, 3), M(7, 7) and N(9, 7) are the vertices of

○ Rhombus ○ Parallelogram ○ Rectangle

5) Prove that the points A(1, –4), B(–6, –4), C(–6, –8) and D(1, –8) form a rectangle.

Distance Formula - Quadrilaterals

Name _____

Score _____

Answer key

DF:26

1) Choose that the points P(–2, 2), Q(0, 4), R(–4, 4) and S(–6, 2) are the vertices of

- ◉ Parallelogram
- ○ Square
- ○ Rhombus

2) Choose that the points E(–10, –3), F(–8, –3), G(–8, –5) and H(–10, –5) are the vertices of

- ○ Rectangle
- ○ Parallelogram
- ◉ Square

3) Choose that the points T(0, –2), U(4, –8), V(8, –2) and W(4, 4) are the vertices of

- ○ Square
- ◉ Rhombus
- ○ Parallelogram

4) Choose that the points K(7, 3), L(9, 3), M(7, 7) and N(9, 7) are the vertices of

- ○ Rhombus
- ○ Parallelogram
- ◉ Rectangle

5) Prove that the points A(1, –4), B(–6, –4), C(–6, –8) and D(1, –8) form a rectangle.

The points A(1, –4), B(–6, –4), C(–6, –8) and D(1, –8) forms a rectangle.