

Precalculus

Homework Lecture 7

1. Draw a coordinate system by hand roughly. Plot the points. Determine in which quadrant is the point located. The answer key has not been proofread, use with caution.

(a) $(3, 2)$.

(d) $(0, 0)$.

(g) $(2, -3)$.

(b) $(-1, 1)$.

(e) $(-3, -2)$.

(c) $(0, 1)$.

(f) $(2, 0)$.

2. Find the distance between the indicated points. The answer key has not been proofread, use with caution.

(a) $(2, 3)$ and $(-1, 2)$.

(d) $(-1, -2)$ and $(2, -4)$.

(b) $(1, 1)$ and $(-1, -1)$.

(c) $(0, 0)$ and $(3, 4)$.

(e) $(-3, -2)$ and $(-2, 4)$.

3. Find the midpoint of the segment between the indicated points. The answer key has not been proofread, use with caution.

(a) $(2, 3)$ and $(-1, 2)$.

(d) $(-1, -2)$ and $(2, -4)$.

(b) $(1, 1)$ and $(-1, -1)$.

(c) $(0, 0)$ and $(3, 4)$.

(e) $(-3, -2)$ and $(-2, 4)$.