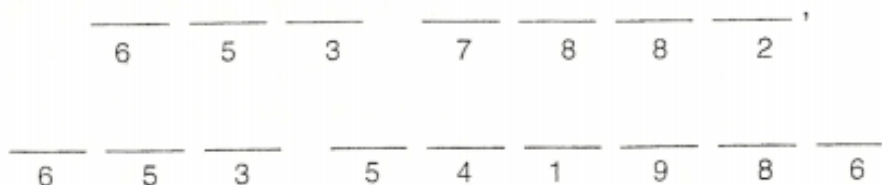


Distance and Quadrilateral Practice

Find the distance between the points listed. Use the results to find the distance from the pitcher's rubber to the home plate in baseball.

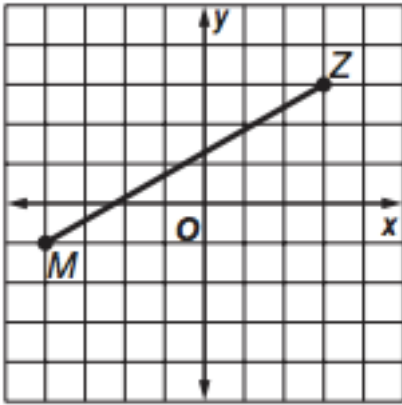
- | | |
|------------------------------|------------------------------|
| 1. $(-2, -3)$ and $(-2, 4)$ | 6. $(-2, 6)$ and $(-10, -9)$ |
| 2. $(-7, 5)$ and $(1, -1)$ | 7. $(2, -12)$ and $(7, 0)$ |
| 3. $(-2, 3)$ and $(3, -2)$ | 8. $(3, -2)$ and $(5, -3)$ |
| 4. $(-6, -2)$ and $(-7, -5)$ | 9. $(-4, 5)$ and $(8, -4)$ |
| 5. $(-2, -1)$ and $(-5, -5)$ | |

7	$\sqrt{5}$	13	15	5	$\sqrt{10}$	17	10	$5\sqrt{2}$
C	E	F	H	I	N	S	T	X

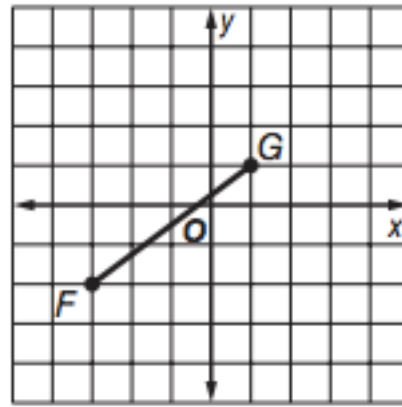


10. Find the distance between each pair of points.

a.

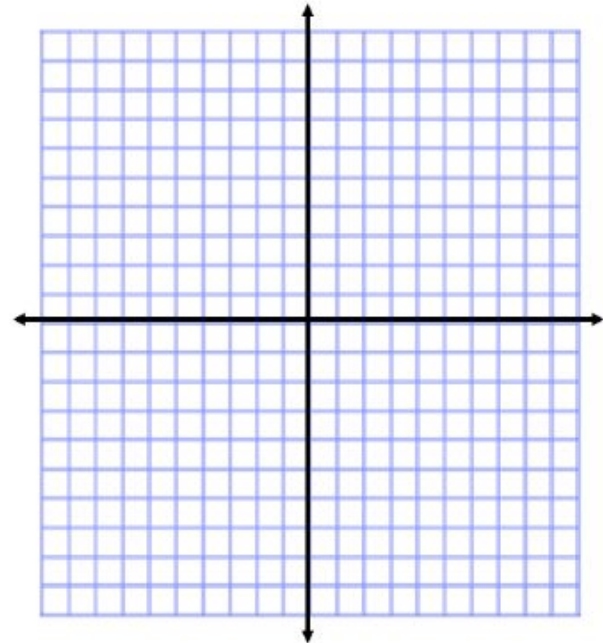


b.

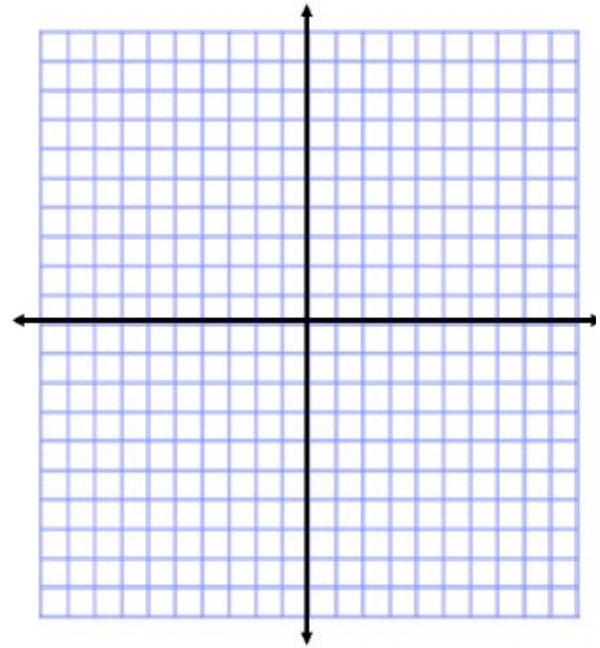


11. Determine the most descriptive name for the quadrilateral with vertices at each set of coordinates below. Justify your reasoning.

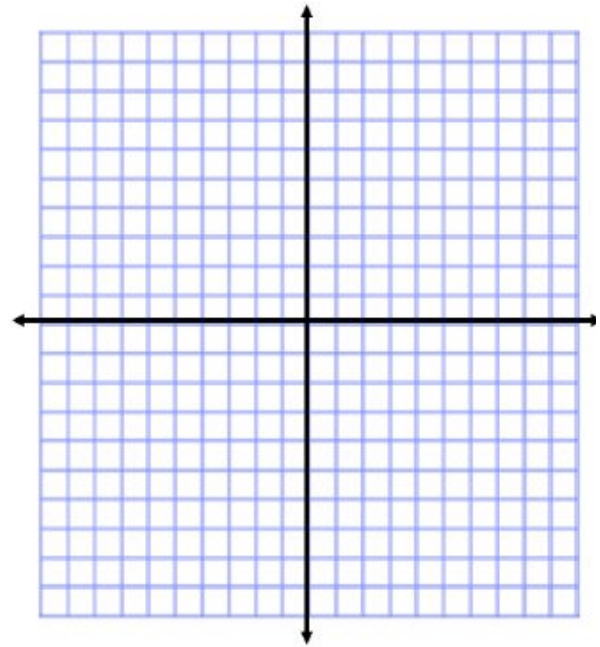
a. $E(0, 5)$, $T(3, 6)$, $I(6, 5)$, and $K(3, -1)$



b. $P(-5, 8)$, $A(3, 4)$, $R(5, -7)$, and $L(-3, -3)$



c. $A(-2, 3)$, $B(2, 4)$, $C(2, -2)$, and $D(-2, -1)$



d. $L(-5, -3)$, $C(5, 2)$, $H(7, -3)$, and $S(-3, -8)$

