



Name: _____

Date: _____

Find the coordinates after each rotation.

Solve for x. Show your work.

1. Rotate $(2, 6)$ by 180° around origin. 2. Rotate $(6, 3)$ by 180° around origin.

3. Rotate $(4, 5)$ by 180° around origin. 4. Rotate $(5, 2)$ by 180° around origin.

5. Rotate $(2, 5)$ by 180° around origin. 6. Rotate $(3, 6)$ by 180° around origin.

7. Rotate $(2, 3)$ by 180° around origin. 8. Rotate $(2, 2)$ by 180° around origin.



Find the coordinates after each rotation. – Answer Key

1. Rotate $(2, 6)$ by 180° around origin.
 $(-2, -6)$
2. Rotate $(6, 3)$ by 180° around origin.
 $(-6, -3)$
3. Rotate $(4, 5)$ by 180° around origin.
 $(-4, -5)$
4. Rotate $(5, 2)$ by 180° around origin.
 $(-5, -2)$
5. Rotate $(2, 5)$ by 180° around origin.
 $(-2, -5)$
6. Rotate $(3, 6)$ by 180° around origin.
 $(-3, -6)$
7. Rotate $(2, 3)$ by 180° around origin.
 $(-2, -3)$
8. Rotate $(2, 2)$ by 180° around origin.
 $(-2, -2)$