# Lesson 7.2 Practice: Reflections and Symmetry

School Launch · Geometry · Unit 7: Transformations · Worksheet A

Calculator allowed

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

**1.** Reflect $(-3, 2), (-1, -3)$ across the y-axis. EASY

**2.** Reflect $(-3, -4), (-5, 1)$ across the x-axis. EASY

**3.** Reflect $(6, 6), (1, -3)$ across the x-axis. EASY

**4.** Reflect $(2, -4), (-2, 3), (3, 1)$ across $y = x$. MEDIUM

**5.** Reflect $(3, 3), (-6, -5), (-4, -1)$ across $y = -x$. MEDIUM

**6.** Reflect $(1, 6), (-5, -3), (3, -3)$ across the x-axis. MEDIUM

**7.** Reflect $(1, -1), (-6, -6), (-3, 0)$ across the y-axis. MEDIUM

**8.** Reflect $(-4, -5), (-3, -3), (-4, 0)$ across $y = -x$. HARD

**9.** Reflect $(2, -5), (2, 1), (4, -4)$ across the x-axis. HARD

**10.** Reflect $(-6, -1), (2, 6), (-6, -5)$ across $y = x$. HARD