

1 $f(x) = 2x + 5$ Blue: $f^{-1}(x) = 5x - 2$ Purple: $f^{-1}(x) = \frac{x-5}{2}$ Pink: $f^{-1}(x) = \frac{x+5}{2}$	2 Are these inverses? $f(x) = x^2 + 4 \quad f^{-1}(x) = \sqrt{x-4}$ Pink: Yes Yellow: No
3 $(15, 10)$ Yellow: $(-15, -10)$ Green: $(-10, -15)$ Orange: $(10, 15)$	4 $f(x) = \frac{x}{4} - 7$ Light Blue: $f^{-1}(x) = \frac{4}{x} + 7$ Yellow: $f^{-1}(x) = 4(x + 7)$ Green: $f^{-1}(x) = 7(x - 4)$
5 Are these inverses? $f(x) = x^3 - 5 \quad f^{-1}(x) = \sqrt{x-5}$ Light Green: Yes Blue: No	6 $f(x) = \frac{3x+2}{5}$ Green: $f^{-1}(x) = \frac{5x-2}{3}$ Orange: $f^{-1}(x) = 15x + 10$ Purple: $f^{-1}(x) = 5(3x - 2)$
7 $f(x) = \frac{3x}{4} - 1$ Pink: $f^{-1}(x) = \frac{4x}{3} + 1$ Light Blue: $f^{-1}(x) = \frac{4(x+1)}{3}$ Yellow: $f^{-1}(x) = \frac{4(x-1)}{3}$	8 $(7.25, -9.5)$ Purple: $(9.5, -7.25)$ Blue: $(-7.25, 9.5)$ Light Green: $(-9.5, 7.25)$

