

Question #	Green Form	Answer
1	C	$\frac{3a+1}{2a-1}$
2	A	$D = \left[-\frac{2}{3}, \frac{4}{3}\right] \quad R = [3, 5]$
3	B	$D = [3, 5]$
4	D	There is no solution
5	D	
6	B	$y = 3.85$
7	C	Reflect the graph of $y = f(x)$ through the $x$ -axis and shift left 5.
8	A	$[-1, 1]$
9	B	$[-1, \infty)$
10	B	$f^{-1}(x) = \sqrt{\frac{5-x}{2}}$
11	E	$f(x) = \begin{cases} 1 & \text{if } x < 1 \\ x^2 - 3 & \text{if } x \geq 1 \end{cases}$
12	D	$(-\infty, 4) \cup (1, 3) \cup (3, \infty)$
13	E	$N = \frac{1}{5}r + 149$
14	B	$y = -30(x-2)^2 + 120$
15	A	$F(x) = 2x + \frac{18,000}{x} - 30$