

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