

1.  $-i$

2.  $\frac{5}{26} + \frac{1}{26}i$

3.  $\frac{3}{2}$

4.  $x = -\frac{5}{2} \pm \frac{\sqrt{29}}{2}$

5. 7

6.  $(x-5)^2 = 36$

7.  $y + 5x = 5$

8.  $-\frac{1}{2}$

9.  $10\left(x + \frac{1}{2}\right) = 15x$  or  $10(x + 30) = 15x$  (yes, there are TWO right answers, both will receive credit)

10.  $x > 5$

11.  $\frac{1}{x} + \frac{1}{x-3} = \frac{1}{2}$

12.  $(1, 3)$

13.  $3x + 2y = 5$

14.  $(-\infty, -7] \cup [3, \infty)$

15.  $0.10x + 0.40(3-x) = 0.25(3)$