

Corrective Assignment

NAME: _____

DATE: _____

Perform the indicated operation. Express in standard form.

1. $(6 + 8i) - (7i)$

2. $(3 - 7i) + 3$

3. $(-7 - 3i) - (7 + i)$

4. $(1 + 3i) + (2 + 4i)$

5. $(-2 + 6i) + (-8 + 5i)$

6. $(7 + 8i) - (6 + 7i)$

7. $4i(3 + 3i)$

8. $-7i(-2 + 7i)$

9. $(6 - i)(6 - 7i)$

10. $(-1 + 5i)(5 - 6i)$

11. $(-4 - 6i)(-4 - 6i)$

12. $(7 + 4i)(-7 + i)$

13. $\frac{-1+7i}{2}$

14. $\frac{9-9i}{5}$

15. $\frac{5+6i}{9}$

16. $\frac{1-i}{-9}$

17. $\frac{7+5i}{4-10i}$

18. $\frac{5-3i}{1+4i}$

19. $\frac{6+10i}{-6-2i}$

20. $\frac{-9+7i}{-3+7i}$

Solve. Express your radical solutions in the simplest form.

21. $(4m + 3)^2 = -12$

22. $(3y)^2 + 10 = -18$

23. $77 = -73 - 2(2h - 8)^2$

24. $(2t + 3)^2 + 39 = 3$

25. $(5p + 15)^2 = -50$

26. $-14 = 2(w - 3)^2 + 26$

ANSWERS FOR 6.2 CORRECTIVE ASSIGNMENT

1. $6 + i$	2. $6 - 7i$	3. $-14 - 4i$	4. $3 + 7i$
5. $-10 + 11i$	6. $1 + i$	7. $-12 + 12i$	8. $49 + 14i$
9. $29 - 48i$	10. $25 + 31i$	11. $-20 + 48i$	12. $-53 - 21i$
13. $-\frac{1}{2} + \frac{7}{2}i$	14. $\frac{9}{5} - \frac{9}{5}i$	15. $\frac{5}{9} + \frac{2}{3}i$	16. $-\frac{1}{9} + \frac{i}{9}$
17. $-\frac{11}{58} + \frac{45}{58}i$	18. $-\frac{7}{17} - \frac{23}{17}i$	19. $-\frac{7}{5} - \frac{6}{5}i$	20. $\frac{38}{29} + \frac{21}{29}i$
21. $m = -\frac{3}{4} \pm \frac{\sqrt{3}}{2}i$	22. $y = \pm \frac{2\sqrt{7}}{3}i$	23. $h = 4 \pm \frac{5\sqrt{3}}{2}i$	
24. $t = -\frac{3}{2} \pm 3i$	25. $p = -3 \pm i\sqrt{2}$	26. $w = 3 \pm 2i\sqrt{5}$	