

### 3.2 Practice A

1.  $5i$

2.  $9i$

3.  $4i\sqrt{2}$

4.  $x = 3$  and  $y = 3$

5.  $x = -2$  and  $y = 5$

6.  $x = 13$  and  $y = 4$

7.  $x = 6$  and  $y = -10$

8.  $8 + 9i$

9.  $13 - i$

10.  $2 + 2i$

11.  $-3 - i$

12. a.  $0 + 11i$

b.  $0 + (3\sqrt{3} - 1)i$

13.  $-10 - 20i$

14.  $9 + 24i$

15.  $7 - i$

16.  $48 + 46i$

17.  $i\sqrt{3}$  and  $-i\sqrt{3}$

18.  $i\sqrt{7}$  and  $-i\sqrt{7}$

19.  $x = 6i$  and  $x = -6i$

20.  $x = 2i\sqrt{5}$  and  $x = -2i\sqrt{5}$