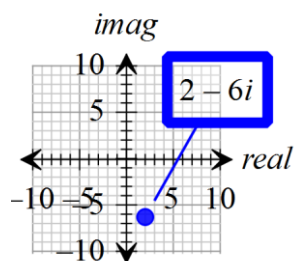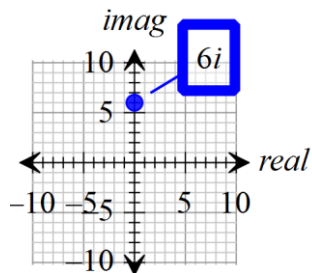### 9.4 Trig. Form of Complex Numbers odd answers

1. abs. value: $2\sqrt{10}$

3. abs. value: 6

5. $z = 2(\cos 150° + i \sin 150°)$

7. $z = 8(\cos 0° + i \sin 0°)$

9. $1 + i$

11. $\dfrac{\sqrt{3}}{2} + \dfrac{3}{2}i$

13. $6i$

15. $\sqrt{3} + i$

17. $-0.11 + 0.70i$

19. $\dfrac{3\sqrt{2}}{2} + \dfrac{i\sqrt{6}}{2}$

21. $z_1 z_2 = -40i$

23. $\dfrac{z_1}{z_2} = .46 + 1.69i$

25. 9

27. 2

29. zeros: $1, 2i, -2i$

    $x-$intercept: $(1, 0)$

Standard form: $f(x) = x^3 - x^2 + 4x - 4$