

### 11.1a

1a.  $(2, 400^\circ)$ ,  $(-2, 220^\circ)$     b.  $(3, 260^\circ)$ ,  $(-3, 80^\circ)$     c.  $(5, -\frac{\pi}{2})$ ,  $(-5, \frac{\pi}{2})$     d.  $(-4, 370^\circ)$ ,  $(4, 190^\circ)$

4a.  $(4\sqrt{2}, 225^\circ)$     b.  $(6, -60^\circ)$     c.  $(6, 90^\circ)$     d.  $(0, 0^\circ)$

5a.  $(\sqrt{2}, \frac{5\pi}{4})$     b.  $(12, \frac{\pi}{2})$     c.  $(1, \frac{\pi}{3})$     d.  $(2, \pi)$

6a.  $(1, \frac{\pi}{4})$     b.  $(2\sqrt{3}, \frac{2\pi}{3})$     c.  $(4, \frac{3\pi}{2})$     d.  $(e\sqrt{2}, -\frac{\pi}{4})$

7a.  $(-2, 2\sqrt{3})$     b.  $(0, -3)$     c.  $(-\frac{\sqrt{3}}{2}, \frac{1}{2})$     d.  $(-\sqrt{2}, \sqrt{2})$

8a.  $(-\sqrt{2}, -\sqrt{2})$     b.  $(3\sqrt{3}, -3)$     c.  $(0, 10)$     d.  $(-2, -2\sqrt{3})$

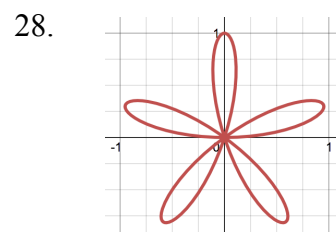
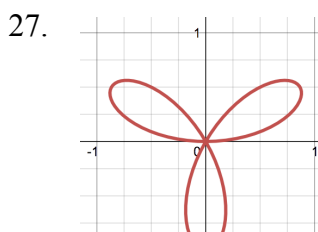
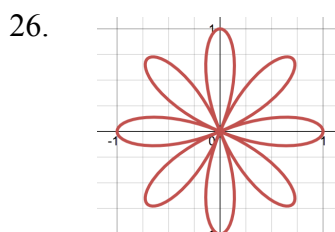
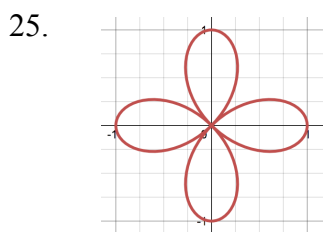
9a.  $(0.940, 0.342)$     b.  $(1.879, 0.684)$     c.  $(-0.416, 0.909)$     d.  $(-0.416, -0.909)$

12a.  $(5.4, 0.4)$     b.  $(10, -0.6)$     c.  $(4.1, -1.8)$     d.  $(10, 2.5)$

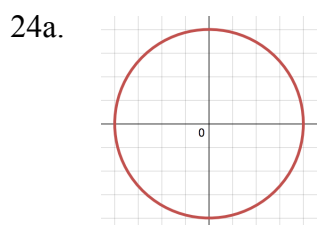
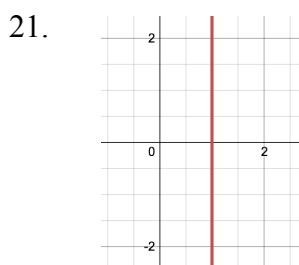
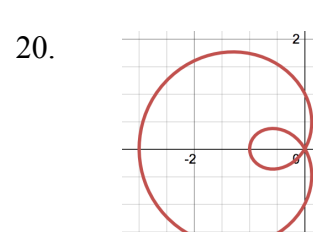
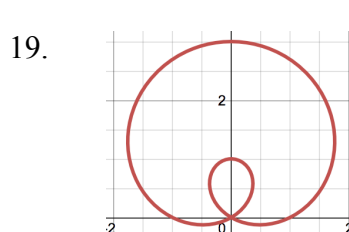
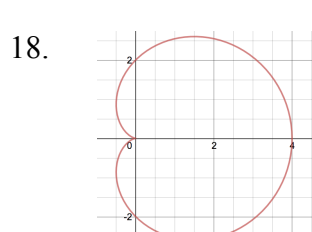
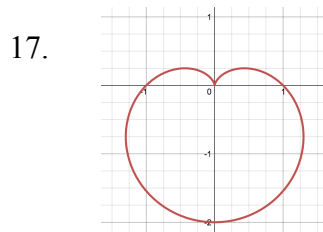
### 11.1b

13.  $x^2 + y^2 = y$

15.  $x^2 + y^2 = -3x$



### 11.1c



b.    c.    d.    29.

