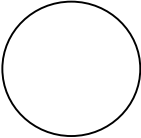
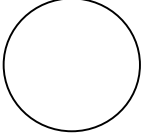
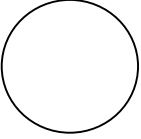
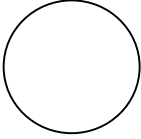
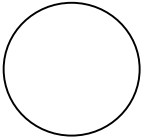
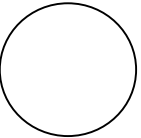
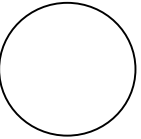


THE RHYTHM OF THE MOON'S PHASES

**Instructions:** Using a computer graphics program or a planetarium, examine the rising, setting, and transiting times of the moon at its four major phases: new moon, first quarter, full moon, and last quarter. Examine as well the mid-points between these phases: a four day, 11-day, 18-day, and a 26-day old moon. Compile this information in the table below to see if you can find a general relationship between the moon's rising and setting times. Use an average day with the sun above and below the horizons for a 12-hour period. You can use a 24-hour European clock or the American a.m., p.m., system, but remember there is no international agreement on the instant of noon and midnight having an a.m. or a p.m. designation, so simply use Noon and Midnight.

Lunar Phase	Phase Drawing	Rising Time	Transiting Time (on meridian)	Setting Time
<b>New Moon</b>				
<b>Waxing Crescent</b>				
<b>First Quarter</b>				
<b>Waxing Gibbous</b>				
<b>Full Moon</b>				
<b>Waning Gibbous</b>				
<b>Last Quarter</b>				
<b>Waning Crescent</b>	