	DATE _	PERIOD	
6-2 Pract	tice		6-2
Linear and Angular Velocity			Angul
Determine each angular the nearest tenth. 1. 6 revolutions	<i>displacement in radians. Roun</i> <b>2.</b> 4.3 revolutions	d to 3. 85 revolutions	An object angular v Angular a
37.7 radians	27.0 radians	534.1 radians	respect to
4. 11.5 revolutions 72.3 radians	5. 7.7 revolutions 48.4 radians	<ul><li>6. 17.8 revolutions</li><li>111.8 radians</li></ul>	At time t = time t, the acceleration
Determine each angular velocity. Round to the nearest tenth.7. 2.6 revolutions in 6 seconds8. 7.9 revolutions in 11 seconds2.7 radians/s4.5 radians/s			The units <b>Example</b>
<ul><li>9. 118.3 revolutions in 19</li><li>39.1 radians/min</li></ul>	9 minutes <b>10.</b> 5.5 revolution <b>8.6 radians</b> /		
11. 22.4 revolutions in 15 9.4 radians/s	seconds <b>12.</b> 14 revolutions <b>44.0 radians</b>		
		given	Solve.
14. $\omega = 28$ radians per second, $r = 2$ feet 56.0 ft/s			1. The rec power s up to 80 the chi
<b>15.</b> $\omega = 5.4\pi$ radians per minute, $r = 1.3$ meters <b>22.1 m/min</b>			the chij 1050
22.1 m/min			
-	r second, $r = 18$ inches		9 117
<b>16.</b> $\omega = 41.7\pi$ radians per			2. When a angula velocity circle w