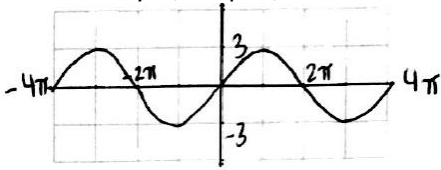
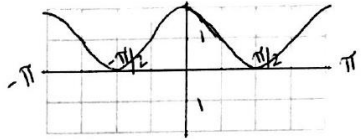


Unit 7

Assignment 7.5 Review Key

<p>1. A 2. D 3. C 4. D 5. C 6. B 7. B</p>	<p>8. <math>5916 \text{ ft}^2</math> 9. <math>45^\circ, 135^\circ</math> 10. a. <math>60^\circ, 120^\circ</math> b. <math>120^\circ, 300^\circ</math> 11. <math>-\cos(x + \pi) + 3</math> 12. Reflection: yes, Amp: 3, Per: <math>4\pi</math></p>  <p>The graph shows a reflected cosine function on a coordinate plane. The x-axis is labeled with <math>-4\pi</math>, <math>-2\pi</math>, <math>2\pi</math>, and <math>4\pi</math>. The y-axis is labeled with <math>3</math> and <math>-3</math>. The function has a period of <math>4\pi</math> and an amplitude of 3. It passes through the origin <math>(0,0)</math> and has a local minimum at <math>(\pi, -3)</math> and a local maximum at <math>(3\pi, 3)</math>.</p> <p>13. Reflection: no, Amp: 1, Per: <math>\pi</math></p>  <p>The graph shows a cosine function on a coordinate plane. The x-axis is labeled with <math>-\pi</math> and <math>\pi</math>. The y-axis is labeled with <math>1</math> and <math>-1</math>. The function has a period of <math>\pi</math> and an amplitude of 1. It passes through the origin <math>(0,0)</math> and has a local maximum at <math>(\pi/2, 1)</math> and a local minimum at <math>(3\pi/2, -1)</math>.</p> <p>14. a. <math>\frac{5\pi}{6}, \frac{7\pi}{6}</math> b. <math>\frac{3\pi}{4}, \frac{7\pi}{4}, 0, \pi</math> 15. <math>45^\circ, 135^\circ, 225^\circ, 315^\circ</math></p>
<p>16. a. Angle A = <math>64^\circ</math>, <math>116^\circ</math> Angle B = <math>70^\circ, 18^\circ</math> Side b = 20.9, 6.9 b. Angle B = <math>72^\circ, 108^\circ</math> Angle C = <math>50^\circ, 14^\circ</math> Side c = 10.3, 3.3 c. Angle A = <math>30^\circ</math>, Angle B = <math>52^\circ</math>, Angle C = <math>98^\circ</math> d. 643 miles</p>	