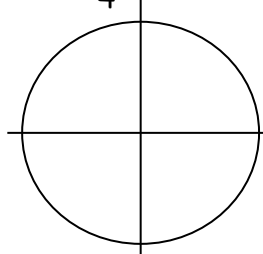
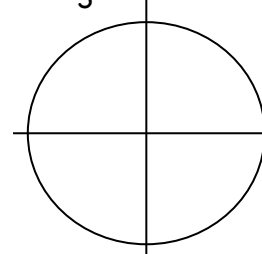
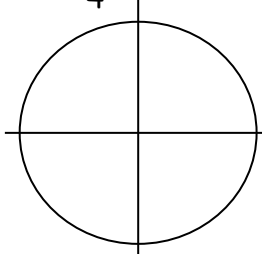
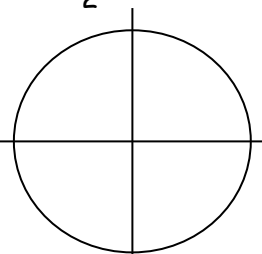
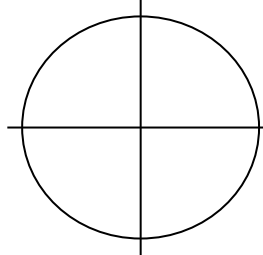
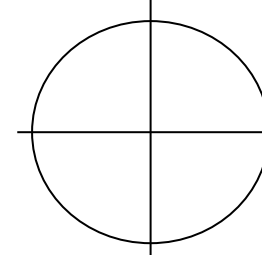
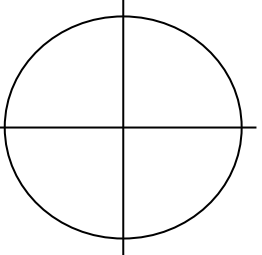
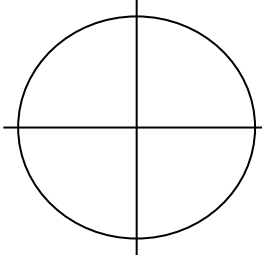
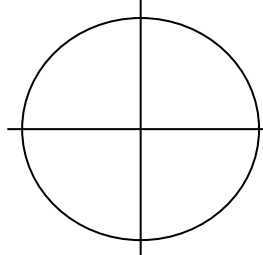
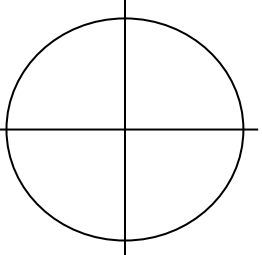
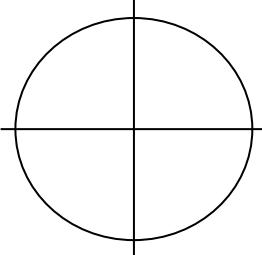
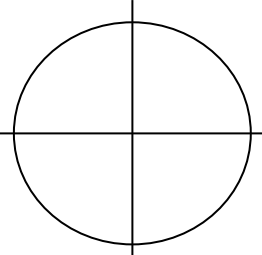


Advanced Functions HW Name _____
Trig Worksheet-Day 1 (Radians & Reference Angles)

Determine the quadrant in which each angle lies.

1. $\frac{7\pi}{4}$	2. $\frac{11\pi}{4}$	3. $-\frac{5\pi}{6}$	4. $-\frac{13\pi}{3}$
5. -1	6. -2	7. 3	8. 2.25
9. 150°	10. 282°	11. 87.9°	12. -245.25°

Sketch each angle in standard position and state the reference angle (in the same measure as the given angle).

<p>13. $\frac{3\pi}{4}$</p>  <p>Ref. ∠ = _____</p>	<p>14. $\frac{4\pi}{3}$</p>  <p>Ref. ∠ = _____</p>	<p>15. $-\frac{7\pi}{4}$</p>  <p>Ref. ∠ = _____</p>	<p>16. $-\frac{5\pi}{2}$</p>  <p>Ref. ∠ = _____</p>
<p>17. $\frac{11\pi}{6}$</p>  <p>Ref. ∠ = _____</p>	<p>18. $\frac{2\pi}{3}$</p>  <p>Ref. ∠ = _____</p>	<p>19. 4</p>  <p>Ref. ∠ = _____</p>	<p>20. -3</p>  <p>Ref. ∠ = _____</p>
<p>21. 150°</p>  <p>Ref. ∠ = _____</p>	<p>22. -270°</p>  <p>Ref. ∠ = _____</p>	<p>23. 405°</p>  <p>Ref. ∠ = _____</p>	<p>24. -450°</p>  <p>Ref. ∠ = _____</p>

Trig Worksheet-Day 2 (Coterminal Angles & Angle Conversions)

Determine two coterminal angles (one positive and one negative) for each angle. Answers can vary.

Answers need to be in the same measure as the given angle.

1. $\frac{\pi}{6}$	2. $\frac{2\pi}{3}$	3. $-\frac{9\pi}{4}$
4. $-\frac{2\pi}{15}$	5. 52°	6. -36°
7. 300°	8. -390°	9. 114°

Rewrite each angle in degree measure.

10. $\frac{3\pi}{2}$	11. $-\frac{7\pi}{6}$	12. -4π	13. $-\frac{13\pi}{60}$
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Rewrite each angle in radian measure in the following ways:

a) in terms of π

b) the rounded decimal equivalent (round three decimal places)

14. 150°	15. -270°	16. -240°	17. 20°
a)	a)	a)	a)
b)	b)	b)	b)