

Precalc Warm Up – 11/29/10

Name: _____

Period: _____

1) Evaluate the following expressions

a. $\sin \frac{\pi}{6} =$

b. $\sin \frac{5\pi}{6} =$

c. $\sin \frac{7\pi}{6} =$

d. $\sin \frac{11\pi}{6} =$

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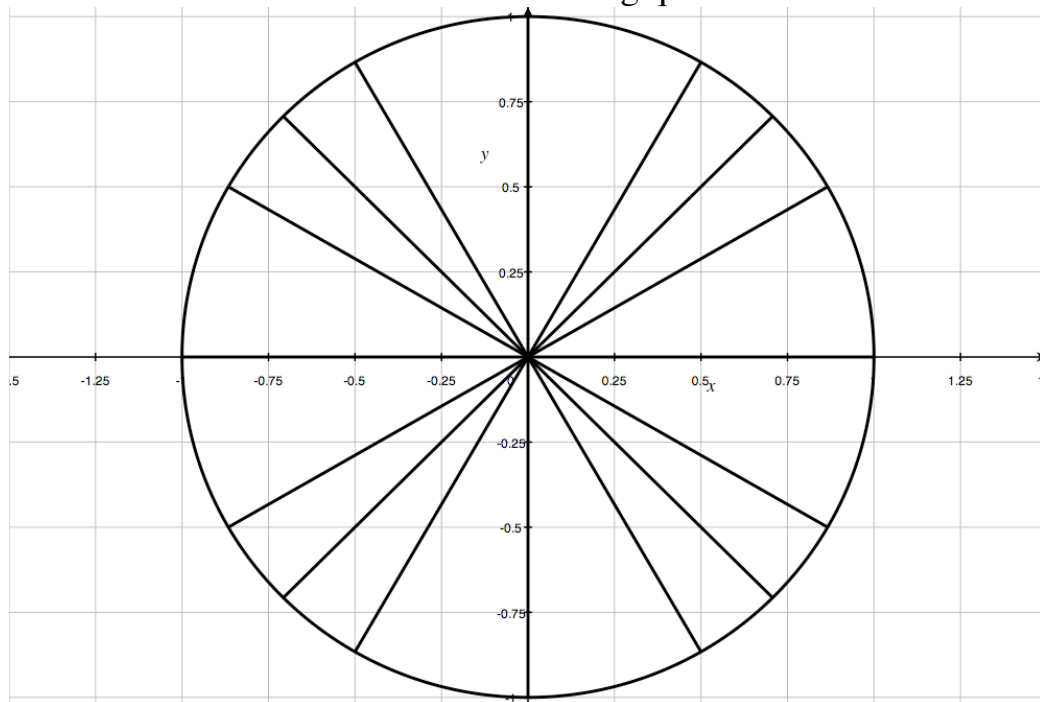
Precalc – Finding the Angle Measurement – 11/29/10

Name: _____

Block: _____

Students will be able to find an angle measurement given sine or cosine.

Use the unit circle to answer the following questions:

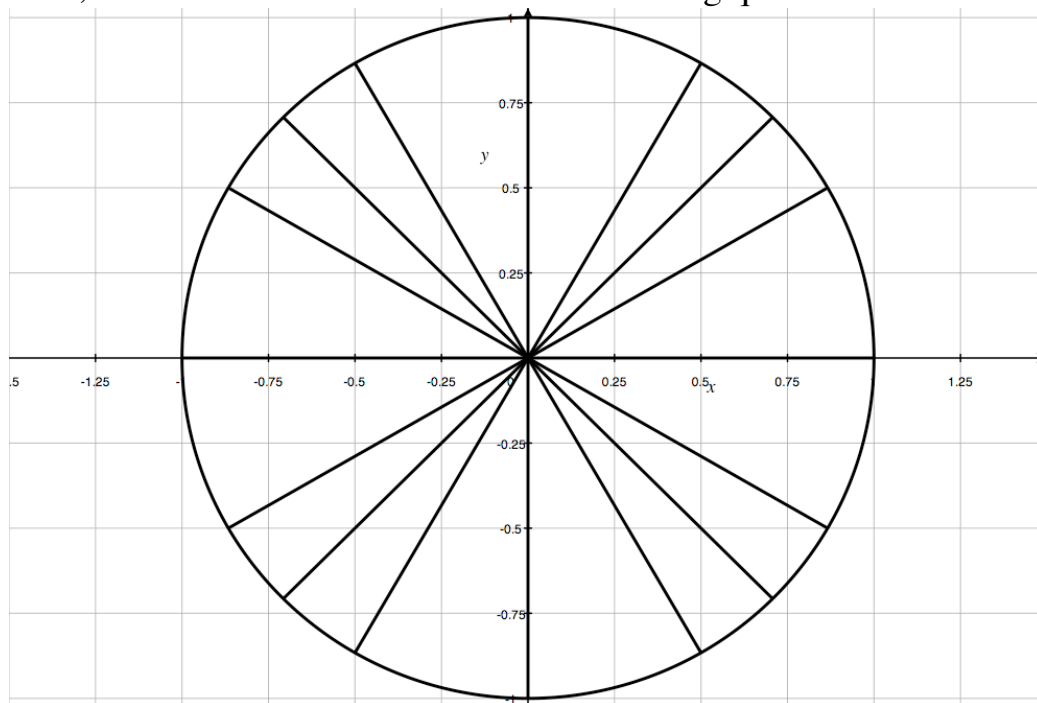


1) Find $\sin \frac{\pi}{3} =$

2) Find $\sin \frac{2\pi}{3} =$

3) Find $\sin \frac{4\pi}{3} =$

Now, use the unit circle to answer the following questions:



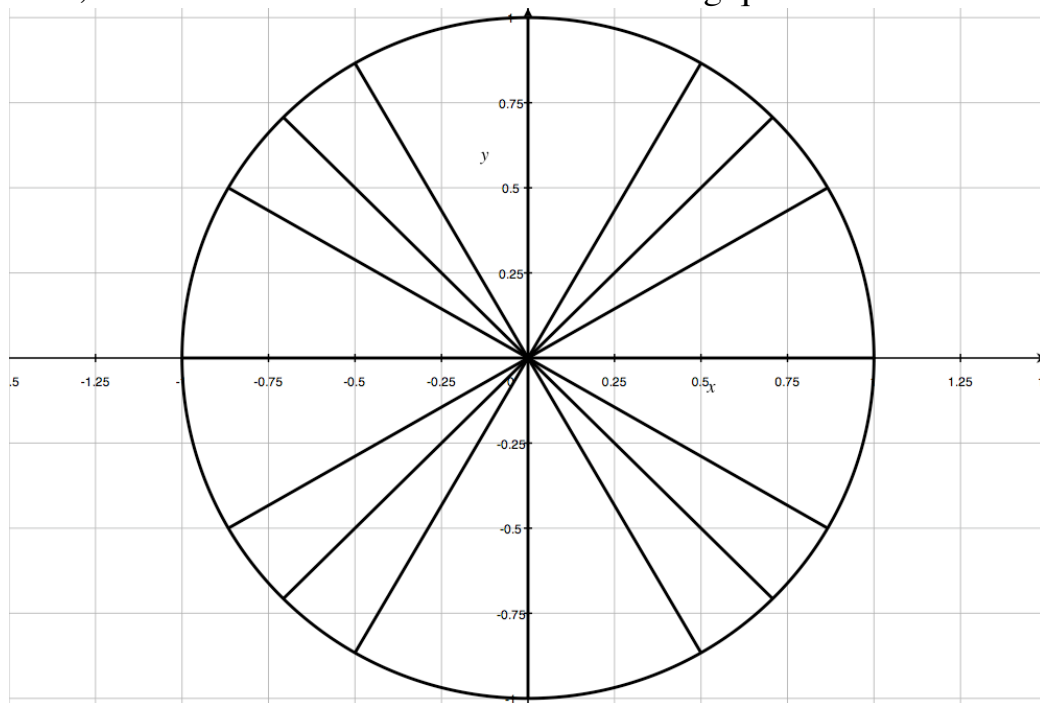
1) Imagine that $\sin \theta = \frac{1}{2}$ what could the measure of θ be?

2) Imagine that $\sin \theta = -\frac{1}{2}$ what could the measure of θ be?

3) Imagine that $\sin \theta = \frac{\sqrt{3}}{2}$ what could the measure of θ be?

4) Imagine that $\sin \theta = -\frac{\sqrt{3}}{2}$ what could the measure of θ be?

Now, use the unit circle to answer the following questions:

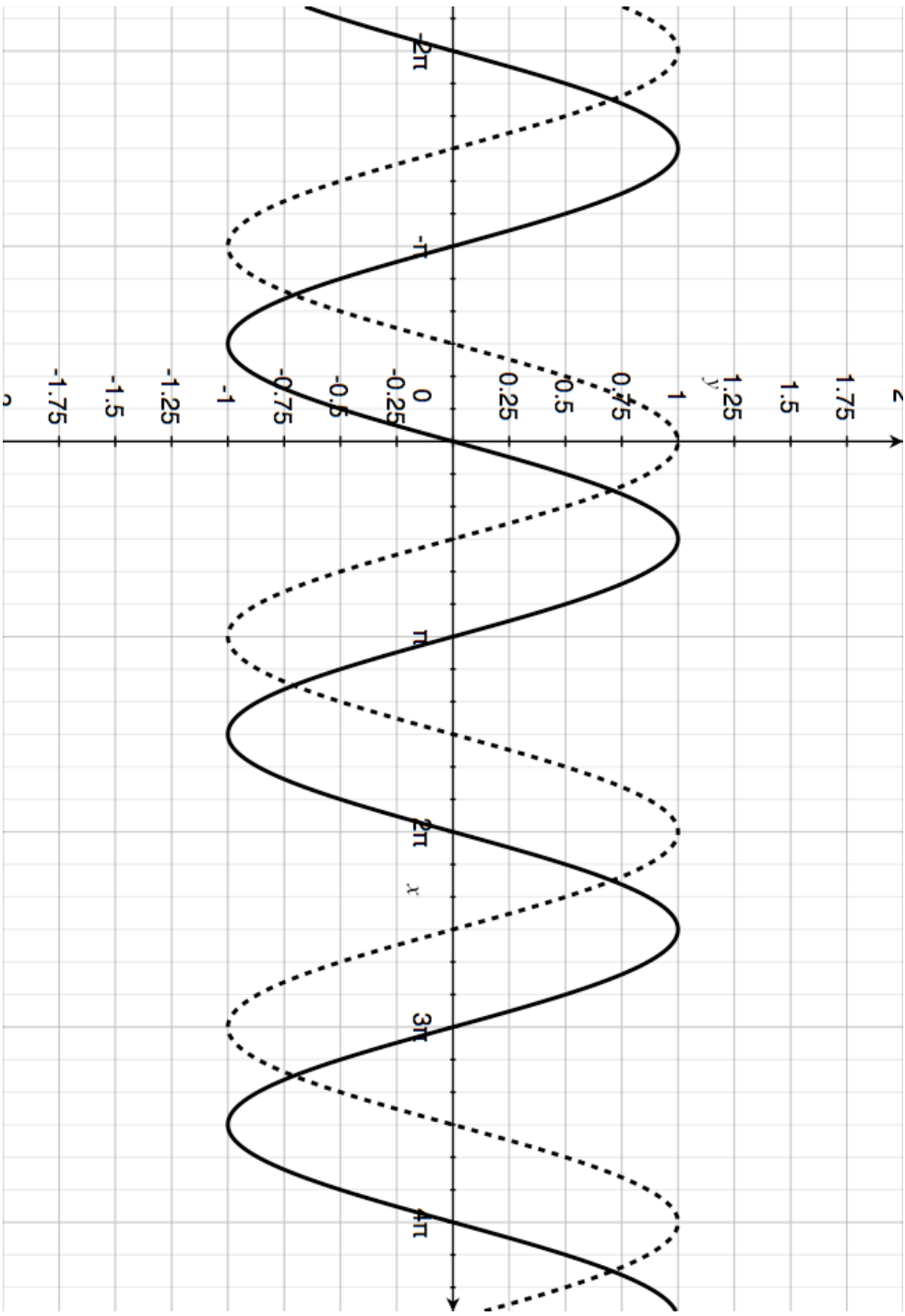


5) Imagine that $\cos \theta = \frac{1}{2}$ what could the measure of θ be?

6) Imagine that $\cos \theta = -\frac{1}{2}$ what could the measure of θ be?

7) Imagine that $\cos \theta = \frac{\sqrt{3}}{2}$ what could the measure of θ be?

8) Imagine that $\cos \theta = -\frac{\sqrt{3}}{2}$ what could the measure of θ be?



Notes:

Practice – Find an angles that satisfies the each expression.

1) $\sin \theta = \frac{1}{2}$

2) $\sin \theta = \frac{\sqrt{3}}{2}$

3) $\sin \theta = 0$

4) $\sin \theta = 1$

5) $\sin \theta = \frac{\sqrt{2}}{2}$

6) $\sin \theta = -1$

7) $\cos \theta = \frac{1}{2}$

8) $\cos \theta = \frac{\sqrt{3}}{2}$

9) $\cos \theta = 1$

10) $\cos \theta = -1$

11) $\cos \theta = \frac{\sqrt{2}}{2}$

12) $\cos \theta = 0$

Precalc – Exit Slip – 11/29/10

Name: _____ Period: _____

Find an angle that satisfies each expression.

1) $\sin \theta = \frac{1}{2}$

2) $\cos \theta = \frac{1}{2}$

3) $\sin \theta = \frac{\sqrt{3}}{2}$

4) $\sin \theta = \frac{\sqrt{3}}{2}$

Precalc – Exit Slip – 11/29/10

Name: _____ Period: _____

Find an angle that satisfies each expression.

1) $\sin \theta = \frac{1}{2}$

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