Answer:

$$\cos\left(\frac{5\pi}{6}\right)$$

Simplify:

$$\frac{\cos^2 t - 1}{\sin^2 t - 1}$$

Directions:
Do the problem on this sheet and then look for the solution on another sheet.

Answer:

$tan^2\ t$

Solve for t:

$2\cos^2 t - 3\cos t + 1 = 0$

Directions:
Do the problem on this sheet and then look for the solution on another sheet.

Answer:

$$t = 0^0, 60^0, 300^0$$

Simplify:

$$\sin t \cdot \tan t + \cos t$$

Directions:
Do the problem on this sheet and then look for the solution on another sheet.

Answer:

$$\sec t$$

Solve:

$$2\sin^2 t + \sin t = 0$$

Directions:
Do the problem on this sheet and then look for the solution on another sheet.

Answer:

$t = 0^0, 180^0, 210^0, 330^0$

Simplify:

$$\sin 20 \cos 15 + \cos 20 \sin 15$$

Directions:
Do the problem on this sheet and then look for the solution on another sheet.

Answer:

$$sin35°$$

Simplify:

$$\frac{\sin t}{\cos t} \cdot \frac{\sin t}{\sin t} + \frac{\cos t}{\sin t} \cdot \frac{\cos t}{\cos t}$$

Directions:
Do the problem on this sheet and then look for the solution on another sheet.

Answer:

$$\sec t \cdot \csc t$$

Problem:

Write the exact value of $\cos 15^0$ using the difference angle formula for cosine.

Directions:
Do the problem on this sheet and then look for the solution on another sheet.

Answer:

$$\frac{\sqrt{6}+\sqrt{2}}{4}$$

Use the sum angle formula for sine to simplify:

$$\sin(t+t)$$

Directions:
Do the problem on this sheet and then look for the solution on another sheet.

Answer:

$$2 \sin t \cos t$$

Solve:

$$\sin t = \frac{\sqrt{3}}{2}$$

Directions:
Do the problem on this sheet and then look for the solution on another sheet.

Answer:

$t = 60^0 \; and \; 120^0$

Simplify:

$$\cos\frac{\pi}{2}\cos\frac{\pi}{3} - \sin\frac{\pi}{2}\sin\frac{\pi}{3}$$

Directions:
Do the problem on this sheet and then look for the solution on another sheet.