Calculus 12
10-1 Reviewing Trigonometry

1. Calculate the degree measure of an angle measuring $\frac{7\pi}{4}$.

2. Calculate the radian measure of an angle measuring 250°.

3. P(3,4) determines an angle θ in standard position. Determine the six trigonometric ratios of angle θ.

4. If $\sin\theta = \frac{1}{3}$ when $0 \le \theta \le \frac{\pi}{2}$, find $\cos\theta$ and $\tan\ \theta$.

5. Sketch $y = \sin x$, $y = 2\sin x$ and $y = \sin 2x$ over $0 \le x \le 2\pi$, on the same set of axes.

6. Evaluate the following using the special triangles.

a) $\sin\frac{\pi}{3} - \cos\frac{\pi}{6}$

b) $4\sin\frac{\pi}{6} + \sec^2\frac{\pi}{4}$