Graphing Sine and Cosine #1-9

On a paper to turn in if you were absent. Due Wednesday 5/1

- Sketch each graph
- State any shifts/stretches
- Label the 5 key points as coordinate pairs
- State the range

1. $y = 3\sin x$
2. $y = 2\cos x$
3. $y = \sin x + 3$
4. $y = \cos x - 4$
5. $y = 4\sin x - 3$
6. $y = 5\cos x - 2$
7. $y = -2\sin x$
8. $y = -\cos x$
9. $y = -\frac{1}{2}\sin x + 1$